









# Plant Inventory No. 168

UNITED STATES DEPARTMENT OF AGRICULTURE

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## PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1960 (NOS. 262679 TO 270534)

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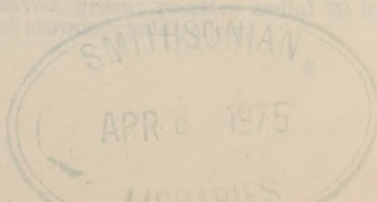
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This inventory, No. 168, lists the plant material (Nos. 262679 to 270534) received by the New Crops Research Branch, Crops Research Division, Agricultural Research Service, during the period from January 1 to December 31, 1960. The inventory is a historical record of plant material introduced for Department and other specialists, and is not to be considered as a list of plant material for distribution.

The species names used are those under which the plant material was received. These have been corrected only for spelling, authorities and obvious synonymy. Questions related to the names published in the inventory and obvious errors should be directed to the author. If misidentification is apparent, please submit an herbarium specimen with flowers and fruit for reidentification.

HOWARD L. HYLAND,  
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Plant Industry Station  
Beltsville, Md.







4599-7

## INVENTORY

### 262679 and 262680.

From the Philippines. Rhizomes collected by P. H. Allen, United Fruit Company Banana Expedition. Numbered Jan. 4, 1960.

#### 262679. MUSA sp. Musaceae.

Col. No. 2-7391. 'Tomoc'. Sabangan, Bomtok, Mountain Province, Luzon. Stools few to many, blackish; pseudostems to 2.5 meters high and 35 cm. diameter; bunch massive, pendulous, with 12 hands; finger 24 cm. long, 5 cm. diameter; skin yellow, with brownish flecks, superficially resembling 'Gros Michel'.

#### 262680. MUSA sp.

Col. No. 2-7401. 'Lacatan'. Sablan, Mountain Province, Luzon. Stools compact, numerous; pseudostems vigorous, to 7 meters high and 40 cm. diameter, green, with conspicuous blackish blotches; bunch pendulous, to 15 hands; fingers 21 cm. long and 4.5 cm. diameter.

### 262681. SACCHARUM (hybrid). Poaceae. Sugarcane.

From Guadeloupe. Cuttings presented by the Francaises Institut National de la Recherches Agronomiques, Domaine, Duclas. Numbered Jan. 4, 1960. R-469.

### 262682 to 262694.

From Mexico. Plants collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Jan. 4, 1960.

#### 262682. AGAVE FILIFERA Salem-Dyck Amaryllidaceae.

Col. No. 18286. On cliff, Sierra Morones, Zacatecas. Single green rosette.

#### 262683. AGAVE GEMINIFLORA Ker.-Gawl.

Col. No. 18336. Ocotello, Nayarit. Capsules with seeds.

#### 262684. AGAVE TORTISPINA Trelease

Col. No. 18262. Sierra Papantona, Zacatecas. Rosettes small, compact, gray, without panicles for many years.

#### 262685. AGAVE WOCOMAH Gentry

Col. No. 18379. Sierra Surotato, Sinaloa. Rosette solitary, small to medium, light green to glaucous; leaves with vanilla aroma; panicle to three meters high; flowers greenish yellow.

#### 262686. AGAVE sp.

Col. No. 18249. Rocky slopes, Los Tapias, Sierra Campana, Chihuahua. Elevation 5,350 feet. Plant glaucous, light green, big headed; rosettes scattered, to 3 by 6 feet; leaves ascending, to 40 inches long, linear-lanceolate; teeth on narrow margins, small, locking below; spike to 25 feet high, stout; dry flowers pink.

#### 262687. AGAVE sp.

Col. No. 18325. Small, scattered maritime colony on cliffs above high tide, Manzanillo Colima. Plants multileaved, green; rosettes radial 20 by 40 inches; spike to 6 feet high; flowers not crowded, pale yellow.

## 262682 to 262694—Continued

## 262688. AGAVE sp.

Col. No. 18327. Gypsiferous slopes and cliffs, 19 miles west of Colima. Elevation 1,000 feet. Plant multileaved, green; rosettes radial, 3 by 4.5 feet; spikes to 16 feet high; flowers not crowded, pale lavender.

## 262689. AGAVE sp.

Col. No. 18328. Nineteen miles west of Colima. Plant small; rosettes open; weak rooted, sometimes surculose; leaves glaucous gray, zoned, crinkled, downcurved.

## 262690. AGAVE sp.

Col. No. 18359. Volcanic cliffs 12 miles southeast of Esquinapa, Nayarit. Elevation 300 feet. Plant bright green; leaves white marked.

## 262691. AGAVE sp.

Col. No. 18378. 'Noriba'. Pine-oak forest, Sierra Surotato, Sinaloa. Elevation 6,000 feet. Plant radial, green, filiferous; rosette large; spikes to 10 feet high.

## 262692. MANFREDIA sp. Amaryllidaceae.

Col. No. 18273. Thirty-three miles north of Jalapa, Zacatecas. Elevation 6,500 feet. Rosettes green; leaves arching, guttered.

## 262693. MANFREDIA sp.

Col. No. 18352. Oak woodlands 21 miles southeast of Tepic, Nayarit. Elevation 3,700 feet. Rosettes green, unspotted; leaves large, broad; spikes to seven feet high.

## 262694. ECHEVERIA sp. Crassulaceae.

Col. No. 18391. Sierra Surotato, Sinaloa. Elevation 6,000 feet. Succulent; leaves bright bronze.

## 262695 to 262705.

From the Union of Soviet Socialist Republics. Plants presented to the President of the United States by Premier Khrushchev. Numbered Jan. 4, 1960.

## 262695. ACER GINNALA Maxim. Aceraceae. Amur maple.

## 262696. ACER PLATANOIDES L. Norway maple.

## 262697. BETULA PENDULA Roth. Betulaceae.

European white birch.

## 262698. LARIX SIBIRICA Ledeb. Pinaceae. Siberian larch.

## 262699. PHELLODENDRON AMURENSE Rupr. Rutaceae. Amur corktree.

## 262700. PINUS CEMBRA var. SIBIRICA Loud. ex Bean Pinaceae.

Siberian Swiss Stone pine.

## 262701. PINUS SYLVESTRIS L. Pinaceae. Scotch pine.

## 262702. PRUNUS MAACKII Rupr. Amygdalaceae. Amur cherry.

## 262703. SORBUS (hybrid). Malaceae.

(*S. aucuparia* × *Crataegus sanguinea*).

## 262704. SYRINGA AMURENSIS Rupr. Oleaceae. Manchurian lilac.

## 262705. TILIA CORDATA Mill. Tiliaceae. European littleleaf linden.

## 262706 to 262709.

From Mexico. Plants collected by H. S. Gentry, plant explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Jan. 5, 1960.



## 262706 to 262709—Continued

262706. AGAVE MAPISAGA Trel. Amaryllidaceae.

Col. No. 18264. Km. 5, road to Jalpa, Zacatecas. Elevation 7,500 feet. Plants very large, cultivated in fence rows; suckers freely; leaves long; flowers on offset panicles, red in bud.

262707. AGAVE sp.

Col. No. 18309. Oak zone nine miles west of Autlan road to Manzanillo, Jalisco. Elevation 4,600 feet. Plant glaucous, green; rosettes 3 by 5 feet; leaves variable; panicles to 16 feet high with up to 20 laterals in upper half.

262708. AGAVE sp.

Six miles west of Autlan, Jalisco, road to Manzanillo. Elevation 4,000 feet. Single rachis; rosettes multileaved, green.

262709. AGAVE sp.

Volcanic knobs 16 miles southeast of Esquinapa, Nayarit. Elevation 300 feet. Rosettes green, suckering at maturity; leaves light green, filiferous, curving; shaft slender, straight, to 13 feet high.

## 262710 to 262717.

From the Union of Soviet Socialist Republics. Seeds presented to the President of the United States by Premier Khrushchev. Numbered Jan. 5, 1960.

262710. ACER GINNALA Maxim. Aceraceae. Amur maple.

262711. ACER PLANTANOIDES L. Norway maple.

262712. BETULA PENDULA Roth. Betulaceae.

262713. LARIX SIBIRICA Ledeb. Pinaceae. Siberian larch.

262714. PHELLODENDRON AMURENSE Rupr. Rutaceae. Amur corktree.

262715. PINUS SYLVESTRIS L. Pinaceae. Scotch pine.

262716. PRUNUS MAACKII Rupr. Amygdalaceae. Amur cherry.

262717. TILIA CORDATA Mill. Tibiaceae. European littleleaf linden.

262718. CITRUS MEDICA L. Rutaceae. Citron.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Jan. 6, 1960.

Col. No. 18397. Sierra Surotato, Sinaloa. Elevation 3,500 feet. Collected December 1959.

262719 to 262731. HIBISCUS SYRIACUS L. Malvaceae.

Shrub-althea.

From Portugal. Cuttings presented by Alfredo Moreira da Silva de Filhos Ltd., Porto. Numbered Jan. 6, 1960.

262719. 'Amarantus'.

262726. 'Pruniceus'.

262720. 'Bonjoia'.

262727. 'Ranunculiflorus'.

262721. 'Campanha'.

262728. 'Revolta'.

262722. 'Curveiros'.

262729. 'Rosalinda'.

262723. 'Grijos'.

262730. 'Roxanus'.

262724. 'Monstruosus'.

262731. 'Sonde'.

262725. 'Pompon'.

## 262732 to 262736.

From Great Britain. Plants purchased from Hillier and Sons, Winchester, England. Numbered Jan. 6, 1960.

262732. *CLEMATIS COLENSOI* Hook. f. Ranunculaceae.

262733. *CLEMATIS HERACLEIFOLIA* DC.

Tube clematis.

'Cote d'Azure'.

262734. *CLEMATIS INDIVISA* Willd.

New Zealand clematis.

'Lobata'.

262735. *CLEMATIS RECTA* L.

Ground clematis.

'Purpurea'.

262736. *CLEMATIS SONGARICA* Bunge

## 262737 to 262776.

From Japan. Plant material presented by the Botanical Garden of Osaka City University, Katano-cho Ritakawachi, Gun Osaka. Numbered Jan. 6, 1960. Scions unless otherwise noted.

262737 and 262738. *HIBISCUS MUTABILIS* L. Malvaceae.

Cotton rosemallow.

262737. 'Makino'.

262738. Single.

262739 to 262766. *HIBISCUS SYRIACUS* L.

Shrub-althea.

262739. 'Aka-hitoe'. Single.

262740. 'Aka-yae'. Double.

262741. 'Aka-yae'. Rooted cuttings.

262742. 'Fuiiri'. Leaves white.

262743. 'Gion-mamori'. White.

262744. 'Hanagasa'. Double.

262745. 'Hinomaru'. Flowers large.

262746. 'Hitoe'. Original form.

262747. 'Hitoe'. Seedling scions.

262748. 'Koki Yae'. Double.

262749. 'Mimihara'. Double.

262750. 'Sakiwake'. Double, bicolor.

262751. 'Sakiwake'. Rooted cutting.

262752. Seedling. Single.

262753. Seedling. Semidouble.

262754. 'Shigyoku'. Ball flowered.

262755. 'Shiro-Hanagasa'. White.

262756. 'Shiro-Hitoe'. White.

262757. 'Shiro-midare'. Double.

262758. 'Shiro-midare'. Rooted cutting.

262759. 'Shiro-syorin'. Single. Native to Japan.

262760. 'Sokabeni-yae'. Double.

262761. 'Suminokura-Hanagasa'.

262762. 'Suminokura-yae'. Double.

262763. 'Suminokura-yae'. Rooted cutting.

## 262737 to 262776—Continued

## 262739 to 262766—Continued

262764. 'Suminokura'. Single.  
 262765. 'Tamausagi'. White.  
 262766. 'Usu-Hitoe'. Single.  
 262767. HIBISCUS (hybrid).  
 262768. LAGERSTROEMIA SUBCOSTATA Koehne Lythraceae.  
 Native to Japan.  
 262769. VIBURNUM DILATATUM Thunb. Caprifoliaceae. Linden viburnum.  
 'Hispidum'. Seedlings.  
 262770. VIBURNUM DILATATUM Thunb. Linden viburnum.  
 Seedlings.  
 262771. VIBURNUM EROSUM Thunb.  
 Seedlings.  
 262772. VIBURNUM DILATATUM Thunb. Linden viburnum.  
 'Hispidum'. Seeds.  
 262773. VIBURNUM JAPONICUM (Thunb.) Spreng.  
 Seeds.  
 262774. VIBURNUM PHLEBOTRICHUM Sieb. & Zucc.  
 Seeds.  
 262775. VIBURNUM SARGENTII Koehne Sargent cranberry.  
 Seeds.  
 262776. VIBURNUM SIEBOLDII Miquel Siebold viburnum.  
 Seeds.

## 262777 to 262787.

From Japan. Seeds presented by the Aritaki Arboretum, Koshigaya-city, Saitama-ken. Numbered Jan. 1960.

262777. CERCIS CHINENSIS Bunge Caesalpiniaceae. Chinese redbud.  
 262778. CORNUS KOUSA Hance Cornaceae. Kousa dogwood.  
 262779. CRATAEGUS CUNEATA Sieb. & Zucc. Malaceae. Nippon hawthorn.  
 262780. GLEDITSIA HORRIDA (Thunb.) Makino Caesalpiniaceae.  
 262781. HOVENIA DULCIS Thunb. Rhamnaceae. Raisintree.  
 262782. HYPERICUM PATULUM Thunb. Hypericaceae. Japanese hypericum.  
 262783. ILEX LATIFOLIA Thunb. Aquifoliaceae.  
 262784. STAUNTONIA HEXAPHYLLA Decaisne Lardizabalaceae.  
 Japanese stauntonvine.  
 262785. SYMPLOCOS CRATAEGOIDES Buch.-Ham. Symplocaceae.  
 262786. TERNSTROEMIA GYMNANTHERA (Wight & Arn.) Sprague Theaceae.  
 262787. VITEX CANNABIFOLIA Sieb. & Zucc. Verbenaceae.  
 262788 and 262789. BRASSICA OLERACEA var. ACEPHALA DC.  
 Brassicaceae. Kale.  
 From Japan. Seeds presented by the Chugai Nursery Company, Kobe. Numbered Jan. 1960.  
 262788. Fringed, fancy leaved.  
 262789. Round leaved.



**262790 to 262865.**

From Argentina, Brazil and Paraguay. Plants collected by W. C. Gregory, collaborator, Crops Research Division, Beltsville, Md. Numbered May 27, 1960.

Collected January to March 1959.

**262790 and 262791. ARACHIS DIOGII Hochne. Fabaceae.**

**262790.** Col. No. 9788. San Gorge, Bataguacu, Campo Grande, Mato Grosso, Brazil. Erect, taprooted perennial; stalks very small, single; leaves linear-lanceolate.

**262791.** Col. No. 9820. Fazenda Imbrussii, 15 km. southeast of Campo Grande, Mato Grosso, Brazil. Taprooted perennial.

**262792 to 262798. ARACHIS GLABRATA Benth.**

**262792.** Col. No. 9806. Seventy km. south of Campo Grande, Rio Brilhante road, Mato Grosso, Brazil. Taprooted, rhizomatous perennial.

**262793.** Col. No. 9813. Criação Experimental Station, 20 km. from Campo Grande, Mato Grosso, Brazil. Rhizomatous perennial.

**262794.** Col. No. 9815. Criação Experiment Station, 20 km. south of Campo Grande, Brazil. Rhizomatous perennial.

**262795.** Col. No. 9822. Fazenda Imbrussii, 15 km. southeast of Campo Grande, Mato Grosso, Brazil. Rhizomatous perennial.

**262796.** Col. No. 9827. Rio Pardo, Mato Grosso, Brazil. Rhizomatous perennial.

**262797.** Col. No. 9830. Rio Pardo, Mato Grosso, Brazil. Rhizomatous perennial.

**262798.** Col. No. 9834. Forty-eight km. north of Campo Grande, Cuiba road, Mato Grosso, Brazil. Rhizomatous perennial.

**262799 and 262800. ARACHIS GUARANITICA Chod. & Hassl.**

**262799.** Col. No. 9665. One km. from Rio Amambay, Ponta Pora road, Mato Grosso, Brazil. Erect taprooted perennial; branches glaucous.

**262800.** Col. No. 9701. Taprooted perennial; foliage glaucous; branches sparse.

**262801 to 262804. ARACHIS GLABRATA var. HAGENBECKII (Harms) F. J. Hermann**

**262801.** Col. No. 9553. Ten km. south of Ruta, Loreto road, Corrientes Province, Argentina. Rhizomatous perennial.

**262802.** Col. No. 9555-a. Estancia Fabuani, 15 km. south of Ruta, Loreto road, Corrientes, Argentina. Rhizomatous perennial; leaf size variable.

**262803.** Col. No. 9555-c. Estancia Fabuani, 15 km. south of Ruta, Loreto road, Corrientes, Argentina. Rhizomatous perennial; leaf size variable.

**262804.** Col. No. 9555-d. Estancia Fabuani, 15 km. south of Ruta, Loreto road, Corrientes, Argentina. Pubescent rhizomatous perennial.

**262805 and 262806. ARACHIS MARGINATA Gardn.**

**262805.** Col. No. 9790. One hundred and thirty-five km. west of Bataguacu, Campo Grande road, Mato Grosso, Brazil.

**262806.** Col. No. 9819. Fazenda Imbrussii, 15 km. southeast of Campo Grande, Mato Grosso, Brazil. Taprooted perennial.

**262807. ARACHIS MARTII Handr.**

Col. No. 9797. Pataguacu-Campo Grande road, Mato Grosso, Brazil. Prostrate taprooted perennial; leaves glabrous, obovate, dark green; flowers large, orange with yellow spot.

**262790 to 262865—Continued**

**262808 and 262809.** *ARACHIS VILLOSA* Benth.

**262808.** Col. No. 9530. Prostrate taprooted perennial; flowers yellow; standards orange.

**262809.** Col. No. 9531. Pubescent taprooted perennial; leaves large.

**262810.** *ARACHIS* sp.

Col. No. 9562. Rhizomatous perennial; flowers and leaves large.

**262811.** *ARACHIS* sp.

Col. No. 9564c. Arroyo Santa Maria, Trinidad road, Dept. of Paraguay. Perennial; leaves small; flowers large; standards orange; wings lemon yellow.

**262812.** *ARACHIS* sp.

Col. No. 9566a. Encarnacion, Trinidad road, Paraguay. Rhizomatous perennial; leaves glabrous.

**262813.** *ARACHIS* sp.

Col. No. 9566b. Encarnacion, Trinidad road, Paraguay. Rhizomatous perennial; leaves glabrous.

**262814.** *ARACHIS* sp.

Col. 9567. Encarnacion, Trinidad road, Paraguay. Rhizomatous perennial; leaves long; margin medium.

**262815.** *ARACHIS* sp.

Col. No. 9568. Two km. from Trinidad, Paraguay. 'Mundubiva'. Rhizomatous perennial; flowers large; standards orange; wings yellow.

**262816.** *ARACHIS* sp.

Col. No. 9569. Top of hill near old Jesuit Ruin, 1.5 km. from Trinidad, Itapua Dept., Paraguay. Rhizomatous perennial.

**262817.** *ARACHIS* sp.

Col. No. 9570. Top of hill near Jesuit Ruin, 1.5 km. from Trinidad, Paraguay. Rhizomatous perennial.

**262818.** *ARACHIS* sp.

Col. No. 9571. Near Trinidad and old Jesuit Ruin, Paraguay. Rhizomatous perennial.

**262819.** *ARACHIS* sp.

Col. No. 9572. Honenasi, near Trinidad, Itapua Dept., Paraguay. Erect, rhizomatous perennial; flowers large.

**262820.** *ARACHIS* sp.

Col. No. 9574. Between Santa Luis and Santa Rosa, Encarnacion road; Itapua Dept., Paraguay. Rhizomatous perennial; flowers large; wings and standards orange.

**262821.** *ARACHIS* sp.

Col. No. 9575. Highway storage yards and shops, San Janacia, between Encarnacion and Asuncion, Paraguay. Rhizomatous perennial; standards orange; wings lemon yellow.

**262822.** *ARACHIS* sp.

Col. No. 9576. Caapucu, Encarnacion-Asuncion road, Paraguay. Rhizomatous perennial.

**262823.** *ARACHIS* sp.

Col. No. 9577. Jardin Botanico, Asuncion, Paraguay. Rhizomatous perennial.

## 262790 to 262865—Continued

262824. *ARACHIS* sp.

Col. No. 9578. Jardin Botanico, Asuncion, Paraguay. Rhizomatous perennial.

262825. *ARACHIS* sp.

Col. No. 9580. Eusibio Ayala, Asuncion, Hernandarias, Paraguay. Rhizomatous perennial; standard without yellow spot and wings.

262826. *ARACHIS* sp.

Col. No. 9587. Paraguay. Rhizomatous perennial; flowers large; standards orange, light yellow spot in center; wings yellow.

262827. *ARACHIS* sp.

Col. 9591. Asuncion, Hernandarias, Paraguay. Rhizomatous perennial.

262828. *ARACHIS* sp.

Col. No. 9592. Asuncion, Hernandarias, Paraguay. Rhizomatous perennial; flowers large; standards orange, without yellow spot.

262829. *ARACHIS* sp.

Col. No. 9596. East of Caaguacu, Paraguay. Rhizomatous perennial; flowers medium size; standards orange with small yellow spot; wings yellow.

262830. *ARACHIS* sp.

Col. No. 9606. Pastoreo, north of Ruta 2, Paraguay. Rhizomatous perennial; standards orange with small yellow spot; wings yellow.

262831. *ARACHIS* sp.

Col. No. 9610a. Pastoreo, north of Ruta 2, Paraguay. Rhizomatous perennial; leaf margins pilose.

262832. *ARACHIS* sp.

Col. No. 9610b. Pastoreo, north of Ruta 2, Paraguay. Rhizomatous perennial; leaf margins glabrous.

262833. *ARACHIS* sp.

Col. No. 9618. Arroyo Esteras, 1.5 km. south of Rio Piribebuy, Itobati, Paraguay. Rhizomatous perennial; flowers large; leaves small, glossy, dark green; standards orange with slight yellow spot; wings dark yellow.

262834. *ARACHIS* sp.

Col. No. 9629. Nine km. from Ponta Pora, Ponta Pora-Bela Vista road, Paraguay. Rhizomatous perennial.

262835. *ARACHIS* sp.

Col. No. 9630. Ten km. from Ponta Pora, Ponta Pora-Bela Vista road, Paraguay. Rhizomatous perennial.

262836. *ARACHIS* sp.

Col. No. 9634. Forty km. from Ponta Pora, Ponta Pora-Bela Vista road, Paraguay. Rhizomatous perennial.

262837. *ARACHIS* sp.

Col. No. 9636. Five km. northwest of Penso, Ponta Pora-Bela Vista road, Paraguay. Taprooted perennial.

262838. *ARACHIS* sp.

Col. No. 9637. Ten km. from Penso, Ponta Pora-Bela Vista road, Paraguay. Rhizomatous perennial.

262839. *ARACHIS* sp.

Col. No. 9642. Eight km. from Arroyo Mangaba, Ponta Pora-Bela Vista road, Paraguay. Rhizomatous perennial.



## 262790 to 262865—Continued

262840. *ARACHIS* sp.

Col. No. 9644. Bela Vista, Brazil. Rhizomatous perennial.

262841. *ARACHIS* sp.

Col. No. 9645. Bela Vista, Brazil. Rhizomatous perennial.

262842. *ARACHIS* sp.

Col. No. 9646. Bela Vista, Brazil. Fleshy taprooted perennial.

262843. *ARACHIS* sp.

Col. No. 9647. Two km. from Bela Vista, Bela Vista-Ponta Pora road, Paraguay. Rhizomatous perennial.

262844. *ARACHIS* sp.

Col. No. 9649. Seven km. from Bela Vista, Bela Vista-Ponte Pora road, Paraguay. Rhizomatous perennial.

262845. *ARACHIS* sp.

Col. No. 9650. Twenty-five km. from Bela Vista, Bela Vista-Ponta Pora road, Paraguay. Rhizomatous perennial.

262846. *ARACHIS* sp.

Col. No. 9652. Ten km. from Penso, Bela Vista-Ponta Pora road, Paraguay-Brazil border. Annual or perennial; taprooted.

262847. *ARACHIS* sp.

Col. No. 9664. One km. from Rio Amambay, Amambay-Ponta Pora road, Brazil. Rhizomatous perennial; leaves orbicular.

262848. *ARACHIS* sp.

Col. No. 9667. One km. from Rio Amambay, Amambay-Ponta Pora road, Brazil. Rhizomatous perennial; branches ascending; leaves narrow.

262849. *ARACHIS* sp.

Col. No. 9672. Twenty km. south of Amambay, Capitan-Bado road, Mato Grosso, Brazil. Rhizomatous perennial.

262850. *ARACHIS* sp.

Col. No. 9674. About 25 km. from Capitan Bado, Amambay-Capitan Bado road, Mato Grosso, Brazil. Perennial; flowers large; standards orange with lemon-yellow spot.

262851. *ARACHIS* sp.

Col. No. 9678. Three km. from Capitan Bado, Amambay, Capitan-Bado road, Mato Grosso, Brazil. Rhizomatous perennial.

262852. *ARACHIS* sp.

Col. No. 9681. One km. from Capitan Bado on the Capitan-Bado Ype Jhee road, Mato Grosso, Brazil. Rhizomatous perennial; branches ascending; leaves lanceolate; flowers deep orange.

262853. *ARACHIS* sp.

Col. No. 9696. Five km. from Amambay, Amambay-Ponta Pora road, Mato Grosso, Brazil. Rhizomatous perennial.

262854. *ARACHIS* sp.

Col. No. 9703. Five km. from Amambay, Amambay-Ponta Pora road, Mato Grosso, Brazil. Rhizomatous perennial; leaves orbicular; flowers yellow.

262855. *ARACHIS* sp.

Col. No. 9706. Five km. from Amambay, Amambay-Ponta Pora road, Mato Grosso, Brazil. Rhizomatous perennial; branches ascending.

## 262790 to 262865—Continued

262856. *ARACHIS* sp.

Col. No. 9747. Three km. from Bataguacu, Xavatina road, Mato Grosso, Brazil. Erect tuberous-rooted perennial.

262857. *ARACHIS* sp.

Col. No. 9753. Twelve km. from Bataguacu, Xavatina road, Mato Grosso, Brazil. Erect tuberous-rooted perennial.

262858. *ARACHIS* sp.

Col. No. 9761. Seven km. from Rio Pordo ferry, Bataguacu-Xavatina road, Mato Grosso, Brazil. Erect tuberous-rooted perennial.

262859. *ARACHIS* sp.

Col. No. 9764. Thirty km. southeast of Xavatina, Bataguacu-Fazenda Pozo Alto road, Mato Grosso, Brazil. Erect tuberous rooted perennial.

262860. *ARACHIS* sp.

Col. No. 9765. Thirty km. southeast of Xavatina, Bataguacu-Fazenda Pozo Alto road, Mato Grosso, Brazil. Erect tuberous rooted perennial.

262861. *ARACHIS* sp.

Col. No. 9766. Four km. northwest of Fazenda Pozo Alto, Bataguacu-Xavatina road, Mato Grosso, Brazil. Erect tuberous-rooted perennial; flowers large, orange, washed with violet; standards and wings same color.

262862. *ARACHIS* sp.

Col. No. 9769. Between Fazenda Pozo Albo and Xavatina, Bataguacu road, Mato Grosso, Brazil. Tuberous-rooted perennial; flowers medium size, orange, with lavender wash.

262863. *ARACHIS* sp.

Col. No. 9795. Ten km. east of Bataguacu-Campo Grande and Campo Grande-Rio Brillante road intersection, Mato Grosso, Brazil. Erect taprooted perennial.

262864. *ARACHIS* sp.

Col. No. 9801. Ten km. east of Bataguacu-Campo Grande and Campo Grande-Rio Brillante road intersection, Mato Grosso, Brazil. Rhizomatous perennial; branches ascending; leaves obovate, glabrous, dark green.

262865. *ARACHIS* sp.

Col. No. 9826. Aquidauana airfield, Mato Grosso, Brazil. Taprooted perennial; fruits short, with no isthmus. Similar to *A. hypogaea*, but very small.

## 262866 to 262881.

From Argentina, Brazil and Paraguay. Seeds collected by W. C. Gregory, collaborator, Crops Research Division, Beltsville, Md. Numbered May 27, 1960.

Collected January to March 1959.

262866. *ARACHIS BENTHAMII* Handro. Fabaceae.

Col. No. 9805. Seventy km. south of Campo Grande, Rio Brillante road, Mato Grosso, Brazil. Erect taprooted perennial; branches few.

262867. *ARACHIS DIOGOI* Hochne

Col. No. 9814. Criação Experiment Station, 20 km. south of Campo Grande, Mato Grosso, Brazil. Erect taprooted perennial.

262868 and 262869. *ARACHIS GUARINITICA* Chod. & Hassl.

262868. Col. No. 9680. One km. from Capitan-Bado, Capitan-Bado Ype Jhee road, Mato Grosso, Brazil. Tuberous-rooted perennial; branches erect, sparse; leaves 3-foliate, glaucous.

**262866 to 262881—Continued****262868 and 262869—Continued**

**262869.** Col. No. 9701. Five km. from Amambay, Amamby-Ponta Pora road, Mato Grosso, Brazil. Tuberous-rooted perennial; branches erect, sparse; leaves 3-foliate, glaucous.

**262870. ARACHIS MARGINATA** Gardn.

Col. No. 9790. One hundred and thirty-five km. west of Bataguacu, Campo Grande road, Mato Grosso, Brazil. Erect, tuberous-rooted perennial. Flowers orange; pegs to 1 meter long, horizontal, very shallow.

**262871. ARACHIS** sp.

Col. No. 9566b. Eight km. northeast of Encarnacion, Trinidad road, Paraguay. Erect perennial; leaves glabrous, margined, apiculate.

**262872. ARACHIS** sp.

Col. No. 9625. Portera Ortiz, 7 km. from Ponta Pora, Bela Vista road, Paraguay-Brazil border. Rhizomatous perennial.

**262873. ARACHIS** sp.

Col. No. 9642. Eight km. from Arroyo Mangaba, Ponta Pora-Bela Vista road, Paraguay-Brazil border. Rhizomatous perennial.

**262874. ARACHIS** sp.

Col. No. 9646. Bela Vista, Brazil. Fleshy taprooted perennial.

**262875. ARACHIS** sp.

Col. No. 9747. Two km. from Bela Vista, Bela Vista-Ponta Pora road, Paraguay-Brazil border. Rhizomatous perennial.

**262876. ARACHIS** sp.

Col. No. 9753. Twelve km. from Bataguacu, Xavatina road, Mato Grosso, Brazil. Erect tuberous-rooted perennial.

**262877. ARACHIS** sp.

Col. No. 9765. Thirty km. southeast of Xavatina, Bataguacu-Fazenda Pozo Alto road, Mato Grosso, Brazil. Erect tuberous-rooted perennial.

**262878. ARACHIS** sp.

Col. No. 9766. Four km. northwest of Fazenda Pozo Alto, Bataguacu-Xavatina road, Mato Grosso, Brazil. Erect tuberous-rooted perennial; flowers large, orange, washed with violet; standard and wings same color.

**262879. ARACHIS** sp.

Col. No. 9800. Ten km. east of Bataguacu-Campo Grande and Campo Grande-Rio Brillante road intersection, Mato Grosso, Brazil. Erect taprooted perennial; branches few.

**262880. ARACHIS VILLOSA** Benth.

Col. No. 9531. Arroyo Riachuela, 14 km. south of Corrientes City, Empedrado Corrientes road, Argentina. Taprooted prostrate perennial; flowers yellow; standards and wings orange.

**262881. ARACHIS VILLOSA** Benth.

Col. No. 9548. Romado Paso, Corrientes Province, Argentina. Similar to P.I. 262808.

**262882 to 262888.**

From the Netherlands. Plants purchased from the Royal Moerheim Nursery, Dedemsvaart. Numbered Jan. 7, 1960.

**262882. ABIES FORRESTII** Craib Pinaceae.**Fir.****262883. BUDDLEIA × PIKEI** Fletcher Loganiaceae.

'Hever'.



## 262882 to 262888—Continued

262884. *CEDRUS LIBANII* subsp. *STENOCOMA* (Schwarz) Davis Pinaceae.

262885. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Pinaceae.  
Lawson false cypress.

'Green Hedger'.

262886. *GENISTA LYDIA* Boiss Fabaceae.

262887. *PIERIS FORMOSA* var. *FORRESTII* Harrow Ericaceae.

'Wakehurst'.

262888. *SALIX* × *BOYDII* E. F. Linton Salicaceae.

## 262889 to 262895.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Jan. 7, 1960.

262889. *CORIANDRUM SATIVUM* L. Apiaceae. Coriander.

No. 93. 'Cilantro'. San Bernardo, Sonora.

262890. *CUCURBITA MOSCHATA* Duchesne ex Poir. Cucurbitaceae. Cushaw.

No. 90. 'Calabasro Segualca'. San Bernardo, Sonora. Fruit large, oblong, dark green; squash and seeds eaten.

262891. *CYCLANTHERA DISSECTA* (Torr. & Gray) Arn. Cucurbitaceae.

Col. No. 17935. Rocky oak slope 42 miles west of Parral, Chihuahua. Elevation 7,400 feet. Small climbing vine; fruit ejects seed forcibly.

262892. *LYCOPERSICON ESCULENTUM* var. *CERASIFORME* (Dun.) Gray Solanaceae.

Col. No. 17741. One mile east of Bahia San Carlos, Sonora Valley. Plant slender, erect, to 3 feet high; fruit red, in panicles, to 0.4 inch diameter.

262893. *PHASEOLUS VULGARIS* L. Fabaceae. Common bean.

Col. No. 17939. Roadside, 46 miles west of Parral, Chihuahua. Vine; pods red streaked.

262894. *RUBUS* sp. Rosaceae.

Col. No. 17992. Pine woods, northeast slope of Sierra Mohinora, Chihuahua. Elevation 7,500 feet. Canes reddish, erect to arching, to 6 feet long; fruit a raspberry.

262895. *SOLANUM FENDLERI* Gray Solanaceae.

Col. No. 18006. Between Guadalupe y Calvo and Tecolate. Elevation 8,000 feet. Plants small.

## 262896 to 262913.

From Spain. Seeds collected by E. Davis, agricultural explorer, Plant Industry Station, Beltsville, Md. Numbered Jan. 8, 1960.

262896 to 262899. *ALLIUM CEPA* L. Liliaceae. Onion.

262896. Col. No. D-38. 'Cebolla Amarillo de Ceoiz'. Pamplona, north Spain. Bulb flat, yellow.

262897. Col. No. D-39. 'Cebolla Blanca del Pais'. Pamplona. Bulb flat, white, matures early, does not store.

262898. Col. No. D-40. 'Cebolla Globo de Exportacion'. Pampola. Bulb yellow, stores well, exported.

262899. Col. No. D-41. 'Cebolla Encarnoda'. Pamplona. Bulb flat, red throughout, stores well.

**262896 to 262913—Continued**

**262900.** *ASPARAGUS OFFICINALIS* L. Convallariaceae. Garden asparagus.

Col. No. D-35. 'Esparrago Grueso de Navarra'. Pamplona. Spears very thick; canned.

**262901.** *BETA VULGARIS* var. *CICLA* L. Chenopodiaceae. Swiss chard.

Col. No. D-36. 'Acelga Penca Blanca'. Pamplona. Leaves large, thick.

**262902 to 262905.** *CAPSICUM FRUTESCENS* L. Solanaceae. Redpepper.

**262902.** Col. No. D-34. 'Morrón de Fabrica'. Pamplona. Fruits flat shouldered, only about 22 percent waste in canning.

**262903.** 'Pimiento del Pico'.

**262904.** 'Pimiento del Cristal'.

**262905.** 'Pimiento Nagerano'.

**262906 to 262910.** *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.

**262906.** Col. No. D-2. 'La Rochapea'. Pamplona. Foliage and fruits large.

**262907.** 'Estonors'. Pamplona. Fruits small, very firm, to 30 per cluster.

**262908.** 'Palo Santo'.

**262909.** 'Perfeccion'.

**262910.** 'San Marzario'.

**262911.** *SPINACIA OLERACEA* L. Chenopodiaceae. Common spinach.

Col. No. D-37. 'Espinaca Nobel'. Pamplona.

**262912 and 262913.** *VICIA FABA* L. Fabaceae. Broadbean.

**262912.** 'Aguadulce'.

**262913.** 'Muchamiel'.

**262914 to 262958.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Numbered Jan. 11, 1960.

**262914 to 262928.** *ALLIUM CEPA* L. Liliaceae. Onion.

**262914.** No. 111. 'Chinazeky'.

**262915.** No. 123. 'Andizhansky Bely'.

**262916.** No. 223. 'Kaba Maikopskaya'.

**262917.** No. 426. 'Kaiakentsky Uluchshenny'.

**262918.** No. 446. 'Dungansky'.

**262919.** No. 464. 'Farabsky'.

**262920.** No. 528. 'Vertiuzhausky'.

**262921.** No. 531. 'Vostochny'.

**262922.** No. 549. 'Zolotai Shar'.

**262923.** No. 585. 'Grubnensky'.

**262924.** No. 670. 'Dnestrovsky'.

**262925.** No. 671. 'Odnoletny Kavsky'.

**262926.** No. 672. 'Ispansky 313'.

**262927.** No. 673. 'Krasnodarsky G-35'.

**262928.** No. 699. 'Kartlis-9'.



**262914 to 262958—Continued**

**262929 to 262940.** *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

- 262929. No. 1969. 'Gruntovy Gribovsky 1180'. Moscow region.
- 262930. No. 1970. 'Gruntovy Skorospely 1165'. Moscow region.
- 262931. No. 2030. 'Belorussky 225'. Belorussia, S.S.R.
- 262932. No. 2162. 'Shtambovy Karlik 1185'. Moscow region.
- 262933. No. 2198. 'Erevani 14'. Armenia, S.S.R.
- 262934. No. 2211. 'Malintka 101'. Krasnodar Dist.
- 262935. No. 2306. 'Biisky Zhelty'. West Siberia.
- 262936. No. 2316. 'Shtambovy Ranny 1563'. West Siberia.
- 262937. No. 2317. 'Shtambovy Kartofelnolistny 1648'. West Siberia.
- 262938. No. 2433. 'Kiselevsky'. Kazakh, S.S.R.
- 262939. No. 2453. 'Talalikhin 186'. Belorussia, S.S.R.
- 262940. No. 2671. 'Korneevsky'. Penza region.

**262941 to 262958.** *RAPHANUS SATIVUS* L. Brassicaceae. **Radish.**

- 262941. No. 1. 'Viurtsburgsky'. Crimea.
- 262942. No. 2. 'Osnoviansky'. Ukraine.
- 262943. No. 3. 'Rozovo-krasny Belym Konchikom'. Ukraine.
- 262944. No. 4. 'L'dinka'. Ukraine.
- 262945. No. 5. 'Kurinevsky'. Ukraine.
- 262946. No. 6. 'Stakhanovets'. Kazakh, S.S.R.
- 262947. No. 7. 'Tashkentsky Bely'. Uzbek, S.S.R.
- 262948. No. 8. 'Dungansky'. Tadzhik, S.S.R.
- 262949. No. 9. 'Iygeva 169'. Estonia, S.S.R.
- 262950. No. 10. 'Graivoronskaya'. USSR.
- 262951. No. 11. 'Margelanskaya'. Uzbek, S.S.R.
- 262952. No. 12. 'Delicate'. Ukraine.
- 262953. No. 13. 'Rubin Kar'kavsky'. Ukraine.
- 262954. No. 14. 'Ledianaya Sosul'ka'. Ukraine.
- 262955. No. 15. 'Virovsky Rozovy Tyel'nolistny'. Leningrad region.
- 262956. No. 16. 'Lyska Odesskaya'. Odessa region.
- 262957. No. 17. 'Krasn's Belym Konchikom'. Rostov region.
- 262958. No. 18. 'Virovsky Belym'. Leningrad region.

**262959.** *ZINNIA LINEARIS* Benth. Asteraceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Jan. 11, 1960.

Col. No. 6870. Fifteen miles northeast of El Vergel, Chihuahua. Herbaceous annual; rays red.

**262960 to 262973.**

From Latvia. Scions presented by the Agricultural Experiment Station. Riga. Numbered Jan. 12, 1960.

**262960 to 262972.** *MALUS SYLVESTRIS* Mill. Malaceae. **Apple.**

- 262960. No. 1. 'Sipolins'.
- 262961. No. 2. 'Antonovka'.

**262960 to 262973—Continued****262960 to 262972—Continued**

262962. No. 3. 'Prof. Grebnicka Renete' (Berzininku Ananasas).

262963. No. 4. 'Nicnera Zemenabols'.

262964. No. 5. 'Malabols'.

262965. No. 6. 'Uljanisceva'.

262966. No. 7. 'Trebu Seklandzis'.

262967. No. 8. 'Pepin Safrannij'.

262968. No. 9. 'Reveles Bumbierabols'.

262969. No. 10. 'Paides Ziemas Abols'.

262970. No. 12. 'Krievu Rosmarins'.

262971. No. 13. 'Suislepas Rozabols'.

262972. No. 14. 'Korobovka' (Cukurins).

262973. PRUNUS sp. Amygdalaceae.

No. 11. 'Vidzemes Dzeltena Olu' plum.

**262974. CUCUMIS SATIVUS L. Cucurbitaceae.                      Cucumber.**

From the United States. Seeds held at the Clemson College Truck Experiment Station, Charleston, South Carolina. Numbered Jan. 11, 1960.

Selection from P.I. 196289, from India. Seeds from only plant-producing pistillate flowers. Highly resistant to Race 2, anthracnose, *Colletotrichum lagenarium* (Pass.) Ell. & Holst.**262975. DIOSCOREA BULBIFERA L. Dioscoreaceae.                      Airpotato.**

From Germany. Tubers presented by the Palmengarten, Frankfurt-am-Main. Numbered Jan. 12, 1960.

**262976 and 262977. PHASEOLUS VULGARIS L. Fabaceae.                      Common bean.**

From the Netherlands. Seeds collected by E. Davis, agricultural explorer, Plant Industry Station, Beltsville, Md. Numbered Jan. 12, 1960.

262976. D-210. 'Perfect'. Inst. of Hort. Plant Breeding, Wageningen. Bush bean resistant to halo blight.

262977. D-211. Inst. of Hort. Plant Breeding, Wageningen. A cross and backcross of types, twice tested with *Colletotrichum lindemuthianum* (Sacc. & Magn.) Br. & Cav.**262978 to 262980.**

From Germany. Plants purchased from Rudolf Schmidt, Hamburg. Numbered Jan. 12, 1960.

262978. CLEMATIS sp. Ranunculaceae.

'Veitchiana'.

**262979 and 262980. PYRACANTHA COCCINEA Roemer Malaceae.                      Scarlet firethorn.**

262979. 'Orange King'.

262980. 'Praecox'.

**262981 to 263014.****262981 to 262985. ALLIUM CEPA L. Liliaceae.                      Onion.**

From the Netherlands. Seeds collected by E. Davis, agricultural explorer, Plant Industry Station, Beltsville, Md. Numbered Jan. 12, 1960.

From Sluis en Groot, Enkhuizen.

262981. Col. No. D-294. 'Stuttgarten'. Plant early; bulb flat, yellow.

## 262981 to 263014—Continued

262982. Col. No. D-295. 'Noord Holland'. Bulb flat, yellow.
262983. Col. No. D-296. 'Zittau'. Bulb round, yellow.
262984. Col. No. D-297. 'Ryusburg'. Bulb round, yellow.
262985. Col. No. D-298. 'Noord Holland Bloodred'. Bulb flat, red.
262986. *ALLIUM SCHOENOPRASUM* L. Chives.  
Col. No. D-314. Zaadteelt en Zaadhandel.
- 262987 and 262988. *BRASSICA RAPA* L. Brassicaceae. Turnip.  
Sluis en Groot Enkhuizen.
262987. D-283. 'Wassland Improved Medium Long'. Root white with purple top. Clubroot resistant.
262988. D-284. 'Meetpesland Round White'. Root round, white. Club-root resistant.
262989. *CICHORIUM INTYBUS* L. Cichoriaceae. Chicory.  
Col. No. D-286. 'Rosa Trivisa'. Leaves red.
262990. *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.  
Col. No. D-285. 'Guntruud'. Pickling type. Scab and mosaic resistant.
- 262991 to 263000. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.  
Sluis en Groot, Enkhuizen. Greenhouse varieties.
262991. Col. No. D-299. 'Excelsior'. Greenback variety; fruits early, round to flat round.
262992. Col. No. D-300. 'Tuckswood'. Greenback; early, round to flat round.
262993. Col. No. D-301. 'Number Ten'. Globe shaped.
262994. Col. No. D-302. 'Glory'. Globe shaped.
262995. Col. No. D-303. 'Ailsa Craig'. Greenback.
262996. Col. No. D-304. 'Moneymaker'.
262997. Col. No. D-305. 'Ronald F.' Early.
262998. Col. No. D-313. 'Pools Glas'. Fruit firm, ripens well after picking in green stage.
262999. Col. No. D-314. 'Pride Selection B'. Globe shaped.
263000. Col. No. D-315. 'Pride Selection C'. Globe shaped.
263001. *PHASEOLUS* (hybrid). Fabaceae.  
Col. No. D-306. *P. vulgaris* × *P. coccineus*. Sluis en Groot, Enkhuizen. Bush bean resistant to *Colletotrichum lindemuthianum*.
- 263002 and 263003. *PHASEOLUS VULGARIS* L. Common bean.  
Sluis en Groot, Enkhuizen.
263002. Col. No. D-310. Bush bean.
263003. Col. No. D-312. Bush bean.
- 263004 to 263007. *PHASEOLUS* (hybrids).  
*P. vulgaris* × *P. coccineus*. Sluis en Groot, Enkhuizen.
263004. Col. No. D-307. Bush bean resistant to *Colletotrichum lindemuthianum*.
263005. Col. No. D-308. Pole bean. Bush *P. vulgaris* × 'Red Runner' *P. coccineus*.



## 262981 to 263014—Continued

## 263004 to 263007—Continued

263006. Col. No. D-309. Pole Bean. Bush *P. vulgaris* × 'Red Runner' *P. coccineus*.

263007. D-311. Pole bean. Bush *P. vulgaris* × 'Red Runner' *P. coccineus*.

263008 to 263014. *PISUM SATIVUM* L. Fabaceae.

Sluis en Groot, Enkhuizen. Edible pod peas.

263008. Col. No. D-287. 'Henry'.

263009. Col. No. D-288. 'De Grace'.

263010. Col. No. D-289. 'Record'.

263011. Col. No. D-290. 'Dwarf Grey Sugar'.

263012. Col. No. D-291. 'Swiss Giants'.

263013. Col. No. D-292. 'Stam of Kruip'.

263014. Col. No. D-293. 'Slier of Krombeck'.

263015. *CUCUMIS MELO* L. Cucurbitaceae.

Muskmelon.

From Belgium. Seeds collected by E. Davis, plant explorer, Plant Industry Station, Beltsville, Md. Numbered Jan. 12, 1960.

Col. No. D-254. Greenhouse variety; fruit small, ribbed, dark green; flesh yellow.

263016 to 263025. *DAUCUS CAROTA* L. Apiaceae.

Carrot.

From Great Britain. Seeds collected by E. Davis, agricultural explorer, Plant Industry Station, Beltsville, Md.

From the National Vegetable Research Station Wellesbourne, Warwick, England.

263016. Col. No. D-264. DC 56001. Selection from DC 54007 for high carotene content and broad shoulder.

263017. Col. No. D-265. DC 56006. Selection from DC 54008 for high carotene content and broad shoulder.

263018. Col. No. D-266. 'Surrey Long'. Selected for root color from 42052.

263019. Col. No. D-267. Selected for root color from DC 42053.

263020. Col. No. D-268. DC 56002. Selected for root color from DC 54015.

263021. Col. No. D-269. DC 56003. 'Surrey Long'. Selected for root color from DC 42052.

263022. Col. No. D-270. DC 56004. 'Long Red Stump'. Roots coreless. Selected for root color from DC 42053.

263023. Col. No. D-271. 'Kiel Red'. Has good color.

263024. Col. No. D-272. DC 54007. Selected for high carotene content from DC 45124.

263025. Col. No. D-273. DC 54008. F<sub>3</sub>. F<sub>2</sub> was a high carotene selection from DC 45124, which was an F<sub>1</sub> of red-cored 'Chantenay' × 'Gonsenhiem'.

263026 to 263033. *PISUM SATIVUM* L. Fabaceae.

From France. Seeds collected by E. Davis, agricultural explorer, Plant Industry Station, Beltsville, Md. Numbered Jan. 12, 1960.

From Vilmorin-Andrieux, Paris.

## 263026 to 263033—Continued

263026. Col. No. D-274. 'Glorie de Quimper' ('Teizer'). Plants dwarf; pods edible; seeds green.
263027. Col. No. D-275. 'Mangetout Corne de Beleur'. Plants tall; pods crooked.
263028. Col. No. D-276. 'Gullivert'. Seeds round, green.
263029. Col. No. D-277. 'Nain Tres Hatif d'Armonay'. Plants dwarf, very early; seeds white.
263030. Col. No. D-278. 'Pois du Chemen Long'. Plants dwarf; seeds white, round, dented.
263031. Col. No. D-279. 'Mangetout Carouby'. Dwarf sugar pea; pods large; seeds gray.
263032. Col. No. D-280. 'Pois Mangetout Fondant de Saint Diserat'. Sugar pea; seeds white.
263033. Col. No. D-281. 'Pois Soysette Cent Pour Un'. Seeds white.

## 263034 to 263043.

From Japan. Seeds presented by the Tokai-Kinki Agricultural Experiment Station, Okitsu.

263034 to 263041. CITRUS SINENSIS (L.) Osbeck Rutaceae. **Orange**

- |                     |                        |
|---------------------|------------------------|
| 263034. 'Fukuhara'. | 263038. 'Kinukawa'.    |
| 263035. 'Iwaikan'.  | 263039. 'Tengu-mikan'. |
| 263036. 'Keraji'.   | 263040. 'Ujukitsu'.    |
| 263037. 'Kinoji'.   | 263041. 'Yatsushiro'.  |

263042. CITRUS sp.

'Nanayu'.

263043. CITRUS sp.

'Yuzu'.

263044. GLYCINE MAX (L.) Merrill Fabaceae. **Soybean.**

From Guatemala. Seeds presented by the Pinturas Centro-Americanas, Villa Neuva. Numbered Jan. 13, 1960.

263045. FICUS KALLICARPA Miquel Moraceae. **Fig.**

From the Philippines. Seeds presented by I. J. Condit, Riverside, California. From Laguna, Luzon.

## 263046 to 263086.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Numbered Jan. 14, 1960.

263046 to 263049. CUCUMIS SATIVUS L. Cucurbitaceae. **Cucumber.**

263046. No. 1998. 'Dalnevostochny 6'. Far East.
263047. No. 2601. 'Altaisky Ranny'. Western Siberia Exp. Station.
263048. No. 2634 'Margelansky'. Uzbek, S.S.R.
263049. No. 2650. 'Virovsky 60'. Leningradskaya Oblast.

263050 and 263051. ANETHUM GRAVEOLENS L. Apiaceae. **Dill.**

263050. No. 269. Armenia, S.S.R.

263051. No. 289. Kazakh, S.S.R.

263052. ASPARAGUS OFFICINALIS L. Convallariaceae. **Garden asparagus.**

'Urozhnaya 6'.

## 263046 to 263086—Continued

- 263053 to 263055. *BRASSICA CAMPESTRIS* L. Brassicaceae. Bird rape.  
 263053. No. 372. 'Esti Naeris'. Estonia.  
 263054. No. 803. 'Solovetskaya'. Murmansk region.  
 263055. No. 821. 'Grabovskaya'. Sverdlovsk region.
- 263056 and 263057. *BRASSICA OLERACEA* L. Wild Cabbage.  
 263056. No. 432. 'Donnuvos Bal'ten'. Lithuania.  
 263057. No. 544. 'Krasnosel'skaya No. 29'. Moscow region.
- 263058 and 263067. *BRASSICA OLERACEA* var. *CAPITATA* L. Cabbage.  
 263058. No. 1428. 'Kashirka 202'. Moscow region.  
 263059. No. 1432. 'Zolotoy Gektar 1432'. Leningrad region.  
 263060. No. 1736. 'Nomer Pervy K 206'. Murmansk region.  
 263061. No. 1831. 'Val-vat'evskaya 145'. Moscow region.  
 263062. No. 1837. 'Likurishka 498/15'. Krasnodar District.  
 263063. No. 1916. 'Kolkhoznitsa 2001'. Moscow region.  
 263064. No. 1919. 'Tubileinaya 20'. Belorussian S.S.R.  
 263065. No. 1920. 'Loshitskaya 96'. Belorussian S.S.R.  
 263066. No. 1976. 'Privolnyanka'. Dnepropetrovsk Region, Krasnodar District.  
 263067. No. 1999. 'Zavadovskaya 257-263'. Dnepropetrovsk region, Krasnodar Dist.
263068. *BRASSICA OLERACEA* L. Wild cabbage.  
 No. 2004. 'Zimnyaya Gribovskaya 2176'. Moscow Region.
- 263069 to 263072. *BRASSICA OLERACEA* var. *CAPITATA* L. Cabbage.  
 263069. No. 2032. 'Kaporka Odesskaya'. Tambov region.  
 263070. No. 2056. 'Posopskaya'. Tambov region.  
 263071. No. 2059. 'Tashkentskaya 10'. Central Asia.  
 263072. No. 2070. 'Ladozhskaya D. S. 8395'. Leningrad region.
- 263073 to 263077. *CAPSICUM FRUTESCENS* L. Solanaceae. Redpepper.  
 263073. No. 1262. 'Novocherkassky 035'.  
 263074. No. 1282. 'Maikopsky 470'.  
 263075. No. 1324. 'Astrakhansky 628'.  
 263076. No. 1326. 'Bolgarsky 79'.  
 263077. No. 1457. 'Pretsevsky 149'.
- 263078 to 263085. *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.  
 263078. No. 2220. 'Nezhinsky 12'. Ukraine, S.S.R.  
 263079. No. 2221. 'Nerosimy 40'. Voronezh region.  
 263080. No. 2647. 'Tiraspol'sky 234'. Moldavia, S.S.R.  
 263081. No. 2670. 'Bao-dan-khuan'. From China.  
 263082. No. 2671. 'Da-ba-cha'. From China.  
 263083. No. 2672. 'Bei-chzhen'-khuan'-gua'. From China.  
 263084. No. 2673. 'Khei-khan'-gua'. From China.  
 263085. No. 2680. 'Su-an'-tsy-gua'. From China.
263086. *CYNARA SCOLYMUS* L. Asteraceae. Artichoke.  
 'Maikopsky 41'.



## 263087 to 263095.

From Great Britain. Plants purchased from the Goldsworth Nurseries, Woking, Surrey, England. Numbered Jan. 14, 1960.

263087 and 263088. *CLEMATIS* (hybrids). Ranunculaceae.

263087. 'Bangholme Belle'.

263088. 'Princess of Wales'.

263089. 'Puniceus Plenus'.

263089 and 263090. *HIBISCUS SYRIACUS* L. Malvaceae. Shrub-althea.

263090. 'Violet Clair'.

263091 to 263094. *PYRACANTHA FORTUEANA* (Maxim.) Li Malaceae.

263091. 'Atalontoides Flava'.

263092. 'Gibbsii'.

263093. 'Rogersiana'.

263094. 'Yunanensis'.

263095. *PYRACANTHA* (hybrid).

'Watererii'.

## 263096 to 263105.

From Argentina, Brazil, and Paraguay. Plants collected by W. C. Gregory, agricultural explorer, Crops Research Division, Beltsville, Md. Numbered Jan. 14, 1960.

263096. *ARACHIS GLABRATA* var. *HAGENBECKII* (Harms.) F. J. Hermann Fabaceae.

Col. No. 9772. Near Savatina, Mato Grosso, Brazil. February 1959. Erect, taprooted, fleshy perennial.

263097. *ARACHIS VILLOSA* Benth.

Col. No. 9548. Romado Paso, Corrientes Province, Argentina. February 1959. Taprooted, prostrate perennial; flowers yellow, wings orange.

263098. *ARACHIS* sp.

Col. No. 9628. Roadside, nine km. from Ponta Pora, Ponta Pora-Bela Vista road, Paraguay. February 1959. Rhizomatous perennial.

263099. *ARACHIS* sp.

Col. No. 9635. Forty km. from Ponta Pora, Colonia Penso-Bela Vista road, Paraguay. February 1959. Rhizomatous perennial.

263100. *ARACHIS* sp.

Col. No. 9640. Twelve km. from Penso, Ponta Pora-Bela Vista road, Paraguay. February 1959. Rhizomatous perennial.

263101. *ARACHIS* sp.

Col. No. 9679. One km. from Capitan-Bado, Ype Jhee road, Mato Grosso, Brazil. February 1959. Rhizomatous perennial; flowers large, lemon yellow; leaflets obovate orbicular.

263102. *ARACHIS* sp.

Col. No. 9688. Five km. from Amambo, Amambo-Ponta Pora road, Mato Grosso, Brazil. February 1959. Rhizomatous perennial; flowers orange, large; standards red veined; wings yellow.

263103. *ARACHIS* sp.

Col. No. 9771. Near Xavatina, Mato Grosso, Brazil. February 1959. Taprooted, erect perennial.

**263096 to 263105—Continued****263104. ARACHIS sp.**

Col. No. 9800. Near Xavatina, Mato Grosso, Brazil. February 1959. Taprooted, erect, perennial; branches few.

**263105. ARACHIS sp.**

Col. No. 9852. Acquidauana, Mato Grosso, Brazil. February 1959. Taprooted, prostrate perennial; branches ascending.

**263106 to 263117.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Numbered Jan. 15, 1960.

**263106 to 263115. CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.**

**263106.** No. 1262. 'Novogerkask No. 35'.

**263107.** No. 1282. 'Maikopsk No. 470'. Krasnodar Krai.

**263108.** No. 1326. 'Bolgarsk No. 79'. Krasnodar Krai.

**263109.** No. 1509. 'Gogoshar'. Ukraine, S.S.R.

**263110.** No. 1576. 'Adygeisk No. 413/166'.

**263111.** No. 1577. 'Konservny Krasny No. 211'. Krasnodar Krai.

**263112.** No. 1311. 'Shipka No. 1067.' Krasnodar Krai.

**263113.** No. 1324. 'Astrakhanski No. 628'.

**263114.** No. 1394. 'Velikan No. 97'.

**263115.** No. 1458. 'Slonovy Khobot No. 304'. Krasnodar Krai.

**263116 and 263117. CYPERUS ESCULENTUS L. Cyperaceae. Chufa.**

**263116.** No. 1. 'Krasnodar Krai'.

**263117.** No. 2. Kuban Exp. Sta. Krasnodar Krai.

**263118 to 263120.**

From Canada. Plants purchased from the Layritz Nurseries, Victoria, British Columbia. Numbered Jan. 15, 1960.

**263118 and 263119. CLEMATIS MACROPETALA Ledeb. Ranunculaceae.**

**263118.** 'Alba'.

**263119.** Unknown variety.

**263120. PIERIS JAPONICA (Thunb.) G. Don Ericaceae.**

'Dwarf Alpine.'

**263121. BETA VULGARIS L. Chenopodiaceae. Beet.**

From the Union of Soviet Socialist Republics. Seeds obtained from an agricultural exhibition in the Ukraine. Numbered Feb. 2, 1960.

**263122 to 263143.**

From the Netherlands. Plants presented by the Landbouwhogeschool, Wageningen. Numbered Jan. 18, 1960.

**263122. HOSTA ALBOMARGINATA (Hook.) Ohwi Liliaceae.**

'Alba'.

**263123. HOSTA CRISPULA Maekawa****263124. HOSTA DECORATA L. H. Bailey****263125. HOSTA ELATA Hyl.**

**263122 to 263143—Continued**

**263126 to 263131.** *HOSTA FORTUNEI* (Baker) Bailey **Fortune plantain lily.**

263126. 'Albopicta'. 263129. 'Hyacinthina'.

263127. 'Albopicta Viridis'. 263130. 'Marginato-alba'.

263128. 'Albopicta Aurea'. 263131. 'Obscura'.

**263132 and 263133.** *HOSTA SIEBOLDIANA* (Hook.) Engler  
**Cushion plantain lily.**

263132. 'Elegans'.

263133. 'Sieboldiana'.

**263134.** *HOSTA LANCIFOLIA* Engler

**263135.** *HOSTA TARDIFLORA* (Irving) Stearn

**263136 and 263137.** *HOSTA TOKUDAMA* Maekawa

263136. Typical species

263137. 'Aureo-nebulosa'.

**263138 to 263141.** *HOSTA UNDULATA* L. H. Bailey

263138. 'Albamarginata'. 263140. 'Undulata'.

263139. 'Erromena'. 263141. 'Univittata'.

**263142 and 263143.** *HOSTA VENTRICOSA* (Salish.) Stearn

263142. Typical species.

263143. 'Aureomaculata'.

**263144.** *PISUM SATIVUM* L. **Fabaceae.**

From France. Seeds collected by E. Davis, agricultural explorer, Plant Industry Station, Beltsville, Md. Numbered Jan. 21, 1960.

Col. No. D-282. From Vilmorin-Andrieux, Paris. Sugar peas; plants tall, mature in 6 weeks; seeds white.

**263145.** *DIMORPHOTHECA AURANTIACA* DC. **Asteraceae.**  
**Winter cape-marigold.**

From the United States. Seeds purchased from Herbst Brothers, New York, N.Y. Numbered Jan. 19, 1960.

**263146 to 263151.** *DIOSPYROS LOTUS* L. **Diospyraceae.**  
**Dateplum.**

From Korea. Seeds presented by the Horticultural Experiment Station, Kimhae, Kyongsang, Namdo Province.

263146. No. 1. From Kwanugju.

263147. No. 2. From Kwanugju.

263148. No. 3. From Yang San.

263149. No. 4. Wild.

263150. No. 5. Puyoo, Chinyong San.

263151. No. 6. Kwangju.

**263152 and 263153.** *TRITICUM AESTIVUM* L. **Poaceae.**  
**Common wheat.**

From Turkey. Seeds presented by an anonymous donor. Numbered Jan. 19, 1960.

263152. 'Kirik 288-1'. From Kars.

263153. 'Zincirli 126'. From Eshisehir.



## 263154 to 263159.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Numbered Jan. 20, 1960.

263154. *MEDICAGO FALCATA* L. Fabaceae. Yellow-flowered alfalfa.

263155 to 263157. *MEDICAGO SATIVA* L. Alfalfa.

263155. No. 19892. 'Almastinskaya 2528'. Alma-Ata region.

263156. No. 22503. 'Slavianskaya Local'. Krasnodar Dist.

263157. No. 27546. 'Nakhichevanskaya'. Nakhichevan, A.S.S.R.

263158 and 263159. *ONOBRYCHIS VICHIFOLIA* Scop. Fabaceae. Sainfoin.

263158. No. 17394. 'Akhalkalasky Local'. Georgia, S.S.R.

263159. No. 9797. 'Ukrainsky 553'. Ukraine, S.S.R.

263160 to 263163. *HORDEUM VULGARE* L. Poaceae. Barley.

From the United Arab Republic (Egypt). Seeds presented by the Field Crops Research Division, Department of Agriculture, Giza. Numbered Jan. 20, 1960.

263160. 'Baladi 16'. 263162. 'Bonus'.

263161. 'Beacher'. 263163. 'Giza 117'.

263164. *SESBANIA CINERASCENS* Welw. ex Baker Fabaceae.

From Ceylon. Seeds presented by the Division of Botany, Department of Agriculture, Peradeniya. Numbered Jan. 20, 1960.

263165 and 263166. *NICOTIANA TABACUM* L. Solanaceae. Common tobacco.

From the Netherlands. Seeds collected by E. Davis, Plant Industry Station, Beltsville, Md. Numbered Jan. 20, 1960.

263165. D-206. 'White Burley'. Exp. Sta. Naaldwijk. Mosaic line, homozygous for symptoms.

263166. D-207. 'White Burley'. Exp. Sta. Naaldwijk. Necrotic line, may not be homozygous for reaction.

## 263167 to 263175.

From Chile. Seeds collected and presented by J. E. Halpin, Clemson Agricultural College, Clemson, South Carolina. Numbered Jan. 20, 1960.

263167. *MEDICAGO GALILAEA* Boiss. Fabaceae.

263168. *TRIFOLIUM CHILENSE* Hook. & Arn. Fabaceae.

CRC 2-59-64.

263169. *TRIFOLIUM DEPAUPERATUM* Desv.

CRC 2-59-65.

263170 to 263172. *TRIFOLIUM MEGALANTHUM* Steud.

263170. CR-CA-59-66. No. 1.

263171. CR-CA-59-66. No. 2.

263172. CR-CA-59-66. No. 3.

263173. *TRIFOLIUM POLYMORPHUM* Poir.

263174. *TRIFOLIUM RIOGRANDENSE* Burkart.

CRC 2-59-72.

263175. *TRIFOLIUM VERNUUM* Phil.

CRC 2-59-76.

## 263176 and 263177.

From Israel. Seeds presented by Forest Research Station, Nathanya. Numbered Jan. 20, 1960.

263176. *VIBURNUM TINUS* L. Caprifoliaceae.

263177. *VITEX AGNUS-CASTUS* L. Verbenaceae.

Lilac chaste-tree.

263178. *HELIANTHUS ANNUUS* L. Asteraceae.

Sunflower.

From Tanganyika. Seeds presented by the Ministry of Natural Resources, Department of Agriculture, Southern Province, Nachingwea. Numbered Jan. 20, 1960.

## 263179 to 263191.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Numbered Jan. 20, 1960.

263179 to 263188. *VICIA SATIVA* L. Fabaceae.

Common vetch.

263179. No. 27779. 'Sysertsкая'.

263180. No. 27795. 'Komarichskaya'. Belorussia, S.S.R.

263181. No. 29263. 'Tyesisskaya'. Latvia, S.S.R.

263182. No. 30686. 'Stanislavskaya'. Stanislav region, Ukraine.

263183. No. 31748. 'Raeskaya'. Estonia, S.S.R.

263184. No. 31751. 'Votkinskaya'. Udmurt, A.S.S.R.

263185. No. 31823. 'Ul'isnovskaya'. Ul'isnovsk region.

263186. No. 31824. 'Palkinskaya'. Pskov region.

263187. No. 32409. 'Vilkovishskaya'. Lithuania.

263188. No. 32468. 'Dzerzhinskaya'.

263189 to 263191. *VICIA VILLOSA* Roth

Hairy vetch.

263189. No. 30670. 'Dneprovskaya'. Ukraine.

263190. No. 30690. 'Stanislav' region, Ukraine.

263191. No. 32207. 'Beregovskaya'. Transcarpathian region, Ukraine.

## 263192 and 263193.

From Iran. Seeds collected by Marvin Klemm, United States Foreign Service, Tehran. Numbered Jan. 21, 1960.

263192. *BOTHRIOCHLOA ISCHAEMUM* (L.) Keng Poaceae.

King's Ranch bluestem.

Elevation 1,000 feet; annual rainfall 18 inches; temperature from below zero to 110° F.

263193. *POA BULBOSA* L. Poaceae.

Bulbous bluegrass.

Unfavorable habitat. Elevation 4,500 feet; annual rainfall 12 inches; temperature from 4° F. to 105° F. Plant vigorous.

## 263194 to 263224.

From Federation of Rhodesia and Nyasaland. Seeds presented by the Department of Agriculture, Mount Makulu Research Station, Chilanga. Numbered Jan. 21, 1960.

263194 to 263222. *HIBISCUS CANNABINUS* L. Malvaceae.

Kenaf.

263194. No. 1.

263198. No. 6.

263195. No. 2.

263199. No. 7.

263196. No. 3.

263200. No. 8.

263197. No. 5.

263201. No. 9.

## 263194 to 263224—Continued

## 263194 to 263222—Continued

263202. No. 10.	263213. No. 36.
263203. No. 11.	263214. No. 37.
263204. No. 12.	263215. No. 38.
263205. No. 25.	263216. No. 39.
263206. No. 27.	263217. No. 40.
263207. No. 29.	263218. No. 41.
263208. No. 30.	263219. No. 42.
263209. No. 31.	263220. No. 43.
263210. No. 32.	263221. No. 44.
263211. No. 33.	263222. No. 47.
263212. No. 34.	

263223 and 263224. HIBISCUS SABDARIFFA L.

Roselle.

263223. No. 45.

263224. No. 46.

## 263225 to 263235.

From Spain. Seeds presented by the Botanic Garden, Madrid. Numbered Jan. 25, 1960.

263225 to 263230. ASTRAGALUS CICER L. Fabaceae.

263225. 263228.

263226. 263229.

263227. 263230.

263231 to 263233. ASTRAGALUS FALCATUS Lam.

Milkvetch.

263231. 263233.

263232.

263234. ASTRAGALUS GLYCYPHYLLOS L.

Milkvetch.

263235. ASTRAGALUS NARBONENSIS Govan

## 263236. ASTRAGALUS NUTTALLIANUS DC. Fabaceae.

From the United States. Seeds collected by the Soil Conservation Service, Beltsville, Maryland. Numbered Jan. 26, 1960.

Collected two miles east of Kenton, Oklahoma.

## 263237 to 263242.

From Spain. Seeds presented by the Botanic Garden, Madrid. Numbered Jan. 26, 1960.

263237 to 263239. DESMODIUM CANADENSE (L.) DC. Fabaceae.

263237. BN 7894-53.

263238. BN 7895-52.

263239. BN 7896-52.

263240 and 263241. INDIGOFERA DOUSA Buch.-Ham. ex Don Fabaceae.  
Indigo.

263240. BN 7900-51.

263241. BN 7901-51.

263242. LOTUS HISPIDUS Desf. Fabaceae.



**263243. MEDICAGO LUPULINA L. Fabaceae. Black medic.**

From Afghanistan. Seeds collected by E. E. Smith, agricultural explorer, New Crops Research Branch, Beltsville, Md. Numbered Jan. 26, 1960.

A component of P.I. 220201, *Trifolium pratense*, collected May 1954 in a Kabul bazaar.

**263244. RHYNCHOSIA CARIBAEA (Jacq.) DC. Fabaceae.**

From Kenya. Seeds presented by S. P. Rawlins, Hoey's Bridge. Numbered Jan. 26, 1960.

A component of P.I. 200237, *Rhynchosia* sp. presented in April 1952.

**263245. TRIFOLIUM DIFFUSUM Ehrh. Fabaceae.**

From Spain. Seeds presented by the Botanic Garden, Madrid. Numbered Jan. 26, 1960.

**263246. TRIFOLIUM GLOMERATUM L. Fabaceae. Cluster clover.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Numbered Jan. 26, 1960.

A component of P.I. 168639, *T. tomentosum*, received August 1948.

**263247. TRIFOLIUM LAPPACEUM L. Fabaceae. Lappa clover.**

From Spain. Seeds presented by the Botanic Garden, Madrid. Numbered Jan. 26, 1960.

**263248. TRIFOLIUM FORMOSUM d'Urv. Fabaceae.**

From Kenya. Seeds presented by S. P. Rawlins, Hoey's Bridge. Numbered Jan. 26, 1960.

A selection from P.I. 293744, *T. lugardii*, received January 1951. Plants vigorous; flowers magenta.

**263249. TRIFOLIUM PANNONICUM Jacq. Fabaceae.**

**Hungarian clover.**

From Spain. Seeds presented by the Botanic Garden, Madrid. Numbered Jan. 26, 1960.

**263250 and 263251.**

From Afghanistan. Seeds collected by E. E. Smith, agricultural explorer, Crops Research Division, Beltsville, Md. Numbered Jan. 26, 1960.

**263250. TRIFOLIUM REPENS L. Fabaceae. Whiteclover.**

A component of P.I. 220201, *T. pratense*, collected May 1954 in a Kabul bazaar.

**263251. TRIFOLIUM RESUPINATUM L. Persian clover.**

A component of P.I. 220201, *T. pratense*, collected May 1954 in a Kabul bazaar.

**263252 and 263253.**

From Spain. Seeds presented by the Botanic Garden, Madrid. Numbered Jan. 26, 1960.

**263252. VICIA DISPERMA DC. Fabaceae.****263253. VIGNA CYLINDRICA (L.) Skeels Fabaceae. Catjang-pea.****263254. HIBISCUS HAMABO Sieb. & Zucc. Malvaceae.**

From Japan. Seedlings presented by the Botanical Garden of Osaka City University, Katano-cho Kitakawachi, Gun Osaka. Numbered Jan. 6, 1960.

**263255. ERMOCITRUS GLAUCA Swingle Rutaceae.**  
**Australian desert kumquat.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Numbered Jan. 21, 1960.

Soil limestone, sandy loam. Shrub to about 10 feet high.

**263256 and 263257.**

From Great Britain. Seeds presented by E. J. Williams, St. Austell, Cornwall, England. Numbered Jan. 25, 1960.

**263256. MAGNOLIA NITIDA W. W. Smith. Magnoliaceae.**

**263257. MICHELIA CHAMPACA L. Magnoliaceae.**

'Doltsopa'.

**263258. CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.**

From the Union of South Africa. Seeds presented by the Wonderhoogte Farm, Utrecht, Natal. Numbered Jan. 25, 1960.

From India but grown in South Africa for years. Collected in sheltered location at 6,000 feet elevation. Plant perennial, lives about 6 years, generally deciduous.

**263259 to 263269. RAPHANUS SATIVUS L. Brassicaceae.**

**Radish.**

From Japan. Seeds presented by the Fujita Seed Company, Osaka. Numbered Jan. 25, 1960.

**263259. 'Ishikawa'.**

**263260. 'Minokunichi Improved'. Spring type. Selection from 'Minowase'. Roots cylindrical, glistening, pure white; flesh fine grained; leaves light green.**

**263261. 'Mino-Yombai' or 'Mino Tetra'. Tetraploid fall type. Plants vigorous, long standing, resistant to clubroot (*Plasmodiophora brassicae*); roots cylindrical, to 26 inches long and 3.5 inches in diameter, weighing to 8 lbs, white, sweet, fine grained.**

**263262. 'Minowase'. Summer type, heat and disease resistant; roots cylindrical, to 26 inches long, 3.5 inches diameter, juicy, crisp, mildly pungent. Matures in 50 to 53 days from summer sowing and 53 to 58 days from spring or fall sowing.**

**263263. 'Miyashige'. Fall type. Roots to 17 inches long, 2.5 inches diameter, cylindrical, white with green top; flesh white, solid, crisp, pungent. Matures in 80 to 92 days.**

**263264. 'Osaka Shijyunichi'. Early spring type. Roots to 11 inches long, 1.75 inches diameter, white; leaves soft, hairless, unlobed, light green. Matures in 50 days.**

**263265. 'Sakurajima Mammoth'. Winter type. Root globe shaped, weighing to 65 pounds in mild winter climate; flowers purple. Matures in 182 days.**

**263266. 'Shogoin'. Fall type. Root globe shaped, to 7.5 lbs.; flesh white, crisp, juicy, sweet; used as cooked vegetable. Sown mid-August, matures late October.**

**263267. 'Temna'.**

**263268. 'Tokinashi-All Season'. Roots to 15 inches long, 2.5 inches diameter, tapering to sharp tip; flesh fine grained, crisp, very pungent. May be planted whenever temperature is above freezing.**

**263269. 'Wakayama'.**

**263270 and 263271.**

From Morocco. Seeds presented by the Agricultural Experiment Station, Ain-Taoudat. Numbered Jan. 25, 1960.

**263270.** CITRUS RETICULATA Blanco Rutaceae. Mandarin orange.

'Clementine' (Monreal clone).

**263271.** CITRUS SINENSIS (L.) Osbeck Orange.

'Gold Nugget'. Navel.

**263272 to 263275. MALUS SYLVESTRIS Mill. Malaceae. Apple.**

From Turkey. Seeds presented by the International Cooperation Administration, Ankara. Numbered Jan. 25, 1960.

**263272.** No. 1. **263274.** No. 3.

**263273.** No. 2. **263275.** No. 4.

**263276 to 263280.**

From Canada. Plants collected by G. F. Payne, Montana State College, Bozeman. Collected in 1958 and numbered Jan. 25, 1960.

**263276.** CAREX FOENEA Willd. Cyperaceae.

Col. No. 6. Moist site, Elkwater, Alberta.

**263277.** CAREX MICROPTERA Mack.

Col. No. 7. Clay loam bog, Elkwater, Alberta.

**263278.** CAREX LANUGINOSA Michx.

Col. No. 128. Along Waterton Lakes, Pincher Creek Hwy., Alberta. Elevation 4,700 feet.

**263279 and 263280.** CAREX ROSTRATA Stokes

**263279.** Col. No. 1. Moist site, Cypress Hills, Elkwater, Alberta.

**263280.** Col. No. 129. Fernie-Elko Highway, British Columbia. Elevation 3,400 feet.

**263281 to 263367.**

From the United States. Plants collected by G. F. Payne, Montana State College, Bozeman. Collected in 1958 and numbered in Jan. 26, 1960.

**263281.** AGROPYRON TRACHYCAULUM (Link) Malte Poaceae. Slender wheatgrass.

Col. No. 61. Southern exposure, Wyoming. Elevation 7,500 feet.

**263282.** AGROPYRON sp.

Col. No. 114. Decomposed shale overlying shale, Kings Hill-Yogo Peak road, three miles from Kings Peak, Montana. Southeast exposure. Elevation 7,600 feet.

**263283 and 263284.** CAREX AQUATILIS Wahl. Cyperaceae.

**263283.** Col. No. 50. Water Course, Wyoming. Elevation 6,200 feet. Plant 24 inches high.

**263284.** Col. No. 65. Boggy meadow roadside, 0.5 miles on side road, two miles west of east entrance, Yellowstone National Park, Wyoming. Elevation 7,000 feet. Plant three feet high.

**263285.** CAREX ARCTA Boott

Col. No. 44. Meadow 0.1 mile south of Camas Creek, Glacier National Park, Montana.

**263286.** CAREX ATHROSTACHYA Olney

Col. No. 48. Lamar River meadows, one mile below administration buildings, Yellowstone National Park, Wyoming. Elevation 6,200 feet. Plant 16 inches high, in bunch.



## 263281 to 263367—Continued

263287. *CAREX BREVIOR* (Dewey) Mack.

Col. No. 23. Rocky Boy Indian Reservation near Havre, Montana. Plants to 14 inches high.

263288. *CAREX BREVIPIES* Boott

Col. No. 76. Eroding immature silt soil, highways 26 and 287, Brooks Lake, near Togwater Pass, Fremont County, Wyoming. Southern exposure. Elevation 9,600 feet. Plants to 12 inches high; abundant.

263289. *CAREX BUXBAUMII* Wahl.

Col. No. 40. Meadow 0.1 mile south of Camas Creek, Glacier National Park, Montana.

263290. *CAREX DOUGLASII* Boott in Hook.

Col. No. 104. Hay meadow, Grasshopper Creek basin, near Jackson road turn-off, Beaverhead County, Montana. Elevation 6,200 feet.

263291. *CAREX EPAPILLOSA* Mack.

Col. No. 66. About 0.5 miles on side road, 2 miles west of east entrance, Yellowstone National Park, Wyoming. Elevation 7,000 feet.

263292 and 263293. *CAREX HAYDENIANA* Olney.

263292. Col. No. 55. Roadside one mile west of Beavertooth Pass, Red Lodge-Cooke City Highway, Park County, Wyoming. Elevation 10,300 feet. Plants five inches high.

263293. Col. No. 137. Highway 12, Beavertooth Pass, Montana. Southern exposure. Elevation 9,900 feet.

263294 and 263295. *CAREX HOODII* Boott in Hook.

263294. Col. No. 30. Pasture lease area near Havre, Rocky Boy Indian Reservation, road to North Montana Branch Station, Montana. Much grazed on heavily used range.

263295. Col. No. 74. Southeast exposure, Wyoming. Elevation 9,600 feet. Bunches to 12 inches high.

263296 and 263297. *CAREX LANUGINOSA* Michx.

263296. Col. No. 13. Highway 89, Sheep Creek, north of White Sulphur Springs, Montana.

263297. Col. No. 81. Camp grounds meadow, Highways 20 and 191, South Ford, Madison River, Gallatin County, Montana. Elevation 6,800 feet.

263298. *CAREX LASIOCARPA* Ehrh.

Col. No. 42. Meadow 0.1 mile south of Camas Creek, Glacier National Park, Montana.

263299 to 263303. *CAREX MICROPTERA* Mack.

263299. Col. No. 12. Roadside, Highway 89, north of White Sulphur Springs, Montana. Elevation 7,500 feet. Moderately used by livestock.

263300. Col. No. 14. Hwy. 89, north of White Sulphur Springs, Montana.

263301. Col. No. 72. Hwys. 26 and 287, 10.6 miles west of Togwote Pass, Teton County, Wyoming. Elevation 8,400 feet. Plants to 12 inches high.

263302. Col. No. 78. Four miles west of West Thumb, Yellowstone National Park, Wyoming. Elevation 8,300 feet.

263303. Col. No. 85. Red Rock Pass road, 1.6 miles east of the Montana State line, Fremont County, Idaho. Elevation 6,900 feet. Plants in closely grazed bunches.

## 263281 to 263367—Continued

263304 to 263306. *CAREX NEBRASKENSIS* Dewey

263304. Col. No. 10. Cottonwood Creek, Elkhorn Ridge, Park County, Montana. Elevation 4,500 feet. Plants to 18 inches high. This species is more heavily grazed than associated species.

263305. Col. No. 11. Roadside, Highway 89, north of White Sulphur Springs, Montana. Plants to 1.5 inches high. Closely grazed.

263306. Col. No. 97. Along small creek, 0.2 miles south of road, six miles west of Red Rock Pass, Beaverhead County, Montana. Moderately grazed.

263307 and 263308. *CAREX NIGRICANS* C. A. Mey.

263307. Col. No. 54. Rock crevice near live water, roadside, one mile west of Beartooth Pass, Red Lodge-Cooke City highway, Park County, Wyoming. Elevation 10,300 feet.

263308. Col. No. 121. Southern exposure, Hidden Lake, Glacier National Park, Montana. Elevation 6,500 feet.

263309. *CAREX OCCIDENTALIS* Bailey

Col. No. 22. Rocky Boy Indian Reservation, Montana. Plants to 18 inches high. Slight use on lightly used range.

263310 and 263311. *CAREX PACHYSTACHYA* Cham.

263310. Col. No. 68. About 0.5 mile on side road, two miles west of the east entrance to Yellowstone National Park, Wyoming. Elevation 7,000 feet. Plants to 16 inches high.

263311. Col. No. 69. About 0.5 mile on side road, two miles west of the east entrance to Yellowstone National Park, Wyoming. Elevation 7,000 feet. Plants to 18 inches high.

263312. *CAREX PETASATA* Dewey

Col. No. 31. Pasture lease area near Havre, Rocky Boy Indian Reservation, road to North Montana Branch Station, Montana. Rarely grazed on lightly used range.

263313 and 263314. *CAREX PHAEOCEPHALA* Piper

263313. Col. No. 77. Dry meadow four miles west of West Thumb, Yellowstone National Park, Wyoming. Elevation 8,300 feet.

263314. Southern exposure, Highway 12, Beartooth Pass, Montana. Elevation 9,900 feet.

263315 to 263317. *CAREX PRAEGRACILIS* Boott in Coult.

263315. Col. No. 9. Cottonwood Creek, Elkhorn Ridge, Park County, Montana. Plants to 16 inches high. Light utilization of this and associated vegetation by cattle.

263316. Col. No. 21. Rocky Boy Indian Reservation, Montana. Plants to eight inches high. Moderately grazed on closely used range.

263317. Col. No. 98. Refuge headquarters, one mile west of Red Rock, Montana. Elevation 6,900 feet.

263318. *CAREX PYRENAICA* Wahl.

Col. No. 56. Roadside, one mile west of Beartooth Pass, Red Lodge-Cooke City highway, Park County, Wyoming. Elevation 10,300 feet.

263319. *CAREX RAYNOLDsii* Dewey

Col. No. 71. Highways 26 and 287, 10.6 miles west to Togwater Pass, Teton County, Wyoming. Elevation 8,400 feet. Bunch.

263320 to 263323. *CAREX ROSTRATA* Stokes

263320. Col. No. 8. Lake Creek, near Sedan, Montana. Plants to two inches high.

**263281 to 263367—Continued****263320 to 263323—Continued**

**263321.** Col. No. 39. Meadow 0.1 mile south of Camas Creek, Glacier National Park, Montana. Plants to 34 inches high.

**263322.** Col. No. 49. Lamar River meadows, one mile below Yellowstone National Park administration buildings, Wyoming. Elevation 6,200 feet.

**263323.** Col. No. 64. About 0.5 miles on side road, two miles west of the east entrance to Yellowstone National Park, Wyoming. Elevation 7,000 feet. Plants to three feet high.

**263324. CAREX SARTWELLII Dewey**

Col. No. 43. Meadow, 0.1 mile south of Camas Creek, Glacier National Park, Montana.

**263325 to 263327. CAREX SCOPULORUM var. CHIMAPHILA (Holm) Kukenth**

**263325.** Col. No. 52. 4.9 miles west of Beavertooth Lake store and cafe, Red Lodge-Cooke City highway, Park County, Wyoming. Elevation 7,900 feet. Plants to 10 inches high. Most abundant on gopher-worked soil and parent material exposed by road cut.

**263326.** Col. No. 57. Roadside, 0.3 miles from Long Lake, Red Lodge-Cooke City highway, Wyoming. Elevation 9,700 feet.

**263327.** Col. No. 134. Southern exposure, Highway 12, Beartooth Pass, Montana. Elevation 9,900 feet.

**263328. CAREX SIMULATA Mack.**

Col. No. 83. Camp ground meadow, Highways 20 and 191, South Ford, Madison River, Gallatin County, Montana. Elevation 6,800 feet.

**263329. CAREX SPRENGELII Dewey**

Col. No. 29. Pasture lease area near Havre, Rocky Boy Indian Reservation, road to North Montana Branch Station, Montana. Heavily grazed on heavily used range.

**263330 to 263332. CAREX STENOPTILA Hermann**

**263330.** Col. No. 70. 0.15 mile on side road, Cub Creek Crossing, east entrance to Yellowstone National Park, Wyoming. Elevation 8,500 feet. Plants to six inches high, in bunches.

**263331.** Col. No. 75. Southeast exposure, Highways 26 and 287, Brooks Lake, near Togwater Pass, Fremont County, Wyoming. Elevation 9,600 feet. Plants to 12 inches high.

**263332.** Col. No. 132. Southwest exposure, Mt. Washburn, Yellowstone National Park, Wyoming. Elevation 9,500 feet. Plants in bunches.

**263333. CAREX STIPATA Muhl. ex Willd.**

Col. No. 38. Lime Spring Road No. 9, branching off Flathead R.S. road, Glacier National Park, Montana. Plants to 30 inches high.

**263334 to 263337. CAREX TOLMIEI Boott in Hook.**

**263334.** Col. No. 120. Hidden Lake, Glacier National Park, Montana. Elevation 6,300 feet.

**263335.** Col. No. 124. Broken shale area, Logan Pass, Glacier National Park, Montana. Elevation 6,800 feet.

**263336.** Col. No. 125. Broken shale area, Logan Pass, Glacier National Park, Montana. Elevation 6,800 feet.

**263337.** Col. No. 133. Southwest exposure, Mt. Washburn, Yellowstone National Park, Wyoming. Elevation 9,500 feet.



## 263281 to 263367—Continued

263338. CAREX VESICARIA L.

Col. No. 41. Meadow 0.1 mile south of Camas Creek, Glacier National Park, Montana.

263339. CAREX sp.

Col. No. 17. Southwest exposure, Highway 89, between Neihart and Belt, two miles south of Riceville, Montana.

263340. CAREX sp.

Col. No. 24. Pasture lease area near Havre, Rocky Boy Indian Reservation, road to North Montana Branch Station, Montana. Heavily grazed on heavily used range.

263341. CAREX sp.

Col. No. 25. Pasture lease area near Havre, Rocky Boy Indian Reservation, road to North Montana Branch Station, Montana. Heavily grazed on heavily used range.

263342. CAREX sp.

Col. No. 26. Pasture lease area near Havre, Rocky Boy Indian Reservation, road to North Montana Branch Station, Montana. Heavily grazed on heavily used range.

263343. CAREX sp.

Col. No. 27. Pasture lease area near Havre, Rocky Boy Indian Reservation, road to North Montana Branch Station, Montana. Heavily grazed on heavily used range.

263344. CAREX sp.

Col. No. 28. Pasture lease area near Havre, Rocky Boy Indian Reservation, road to North Montana Branch Station, Montana. Heavily grazed on heavily used range.

263345. CAREX sp.

Col. No. 45. Wet meadow north of Armstrong ranch house, Lincoln, Montana. Plants to 28 inches high. Moderately grazed in lightly used area.

263346. CAREX sp.

Col. No. 67. About 0.5 mile on side road, two miles west of the east entrance to Yellowstone National Park. Elevation 7,000 feet. Plants to 10 inches high.

263347. CAREX sp.

Col. No. 80. Campground meadow, Highways 20 and 191. South Ford, Madison River crossing, Gallatin County, Montana. Elevation 6,800 feet.

263348. CAREX sp.

Col. No. 82. Campground meadow, Highways 20 and 191, South Ford, Madison River, Gallatin County, Montana. Elevation 6,800 feet.

263349. CAREX sp.

Col. No. 84. Red Rock Pass road, 1.6 miles east of Montana-Idaho state line, Fremont County, Idaho. Elevation 6,900 feet. Plants closely grazed.

263350. CAREX sp.

Col. No. 86. Red Rock Pass road, 1.6 miles east of Montana-Idaho state line, Fremont County, Idaho. Elevation 6,900 feet. Plants closely grazed.

263351. CAREX sp.

Col. No. 87. Red Rock Pass road, 1.6 miles east of Montana-Idaho state line, Fremont County, Idaho. Elevation 6,900 feet. Plants closely grazed.

**263281 to 263367—Continued****263352. CAREX sp.**

Col. No. 89. Red Rock Pass road, 1.6 miles east of Montana-Idaho State line, Fremont County, Idaho. Elevation 6,900 feet. Plants closely grazed.

**263353. CAREX sp.**

Col. No. 90. Red Rock Pass road, 1.6 miles east of Montana-Idaho State line, Fremont County, Idaho. Elevation 6,900 feet. Plants closely grazed.

**263354. CAREX sp.**

Col. No. 91. 0.3 mile north of Red Rock Pass road, Beaverhead County, Montana. Elevation 7,200 feet. Plants closely grazed in moderately grazed range.

**263355. CAREX sp.**

Col. No. 92. 0.3 mile north of Red Rock Pass road, Beaverhead County, Montana. Elevation 7,200 feet. Species closely grazed in moderately grazed range.

**263356. CAREX sp.**

Col. No. 93. 0.3 mile north of Red Rock Pass road, Beaverhead County, Montana. Elevation 7,200 feet. Species closely grazed in moderately grazed range.

**263357. CAREX sp.**

Col. No. 94. 0.3 mile north of Red Rock Pass road, Beaverhead County, Montana. Elevation 7,200 feet. Closely grazed in moderately grazed range.

**263358. CAREX sp.**

Col. No. 95. 0.3 mile north of Red Rock Pass road, Beaverhead County, Montana. Elevation 7,200 feet. Closely grazed in moderately grazed range.

**263359. CAREX sp.**

Col. No. 96. 0.3 mile north of Red Rock Pass road, Beaverhead County, Montana. Elevation 7,200 feet. Closely grazed in moderately grazed range.

**263360. CAREX sp.**

Col. No. 99. One mile west of Red Rock Wildlife Refuge Headquarters, on refuge. Elevation 6,900 feet.

**263361. CAREX sp.**

Col. No. 102. Upper Blacktail Creek, southeast of Dillon, Beaverhead County, Montana.

**263362. CAREX sp.**

Col. No. 112. Shalkaho Pass, Granite County, Montana. Plants in bunches.

**263363. CAREX sp.**

Col. No. 115. Yogo Peak, Montana. Elevation 8,700 feet.

**263364. CAREX sp.**

Col. No. 131. Moist site, northern exposure, Mt. Washburn, Yellowstone National Park, Wyoming. Elevation 9,800 feet.

**263365. CAREX sp.**

Col. No. 136. Southern exposure, Highway 12, Beartooth Pass, Montana. Elevation 10,100 feet.

**263366. DESCHAMPSIA CAESPITOSA (L.) Beauv. Poaceae. Tufted hairgrass.**

Col. No. 138. Northeast exposure, Highway 12, Beartooth Pass area, Montana. Elevation 10,100 feet.

**263281 to 263367—Continued**

**263367.** *HESPEROCHLOA KINGII* (S. Wats.) Rydb. Poaceae.

Col. No. 62. Southeast exposure, roadside, 1.8 miles east of Dead Indian Summit, Cooke City-Cody road. Elevation 7,500 feet. Plants with modified rhizomes make soil-holding mats to two feet across.

**263368.** *VERNONIA ANTHELMINTICA* (L.) Willd. Asteraceae.

From India. Seeds presented by the Regional Research Laboratory, Jammu-Tawi, New Delhi. Numbered Jan. 27, 1960.

**263369 to 263371.** *CORYLUS AVELLANA* L. Betulaceae. **Filbert.**

From Sweden. Scions presented by the Balsgard Fruit Breeding Institute, Fjalkestad. Numbered Jan. 26, 1960.

**263369.** 'Bandnot'.

**263371.** 'Red Filbert'.

**263370.** 'Bergeri'.

**263372 to 263377.** *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**

From Israel. Seeds presented by the Agricultural Research Station, Rehovot. Numbered Jan. 26, 1960.

**263372.** No. 45.

**263375.** No. 64A.

**263373.** No. B/9.

**263376.** No. 101/7.

**263374.** No. B/4.

**263377.** No. 233.

**263378 and 263379.**

From the Sudan. Seeds presented by Cotton Breeding Section, Ministry of Agriculture, Shambat, Khartoum. Numbered Jan. 27, 1960.

**263378.** *GOSSYPIMUM INCANUM* (Schwartz) Hillcoat Malvaceae.

**263379.** *NOTOXYLINON AUSTRALE* (Muell.) Lewton. Malvaceae.

**263380.** *CAMELLIA HONGKONGENSIS* Seem. Theaceae.

From Hong Kong. Seeds presented by the Gardens Division, Urban Services Department, Victoria. Numbered Jan. 27, 1960.

**263381.** *PASPALUM ROJASII* HACK. Poaceae.

From Paraguay. Seeds presented by the Farm and Ranch Planning Division, Ministry of Agriculture, Asuncion. Numbered Jan. 27, 1960. Reg. No. 6.

**263382 to 263388.**

From the Philippines. Rhizomes collected by P. H. Allen, United Fruit Company, Boston, Mass. Numbered Jan. 27, 1960.

**263382.** *MUSA* × *PARADISIACA* L. Musaceae.

**Plantain banana.**

Col. No. 2-7408. 'Bulch'. Semicultivated in rolling hills, Barrio Azucena, Sipocot, Camarines Sur, Luzon. Elevation 100 meters. Pseudostem to 1.8 meters high, 15 cm. diameter, green; bunch horizontal, with 3 to 4 hands; fingers ellipsoidal, somewhat angulate; male bracts rose red, several lifting at one time. Remarkably wind resistant.

**263383.** *MUSA* sp.

Col. No. 2-7406. 'Morong Princess'. Rolling hillside, Barrio Azucena, Sipocot, Camarines Sur, Luzon. Elevation 100 meters. Stooling habit compact; pseudostems few, green, to 1.8 meters and 15 cm. diameter; foliage erect; bunch horizontal, four hands; fingers 15 cm. long and 2.5 cm. diameter; with very long, slender tip that breaks easily; skin very thin; pulp sweet, soft. Has "diploid look."



## 263382 to 263388—Continued

## 263384. MUSA sp.

Col. No. 2-7411. 'Inarnibal'. Southwestern slope of Mount Isarog, Camarines Sur, Luzon. Elevation 450 meters. Stooling habit compact; pseudostems few, reddish purple, to two meters high, 18 cm. diameter. Has "diploid look."

## 263385. MUSA sp.

Col. No. 2-7412. 'Morong Princess'. Southwestern slope of Mount Isarog, near Pili, Camarines Sur, Luzon. Elevation 450 meters. Stooling habit compact; pseudostems numerous; fruit reportedly has exceptional keeping qualities, keeping 2 to 3 weeks when ripe.

## 263386. MUSA sp.

Col. No. 2-7414. 'Alinsanay'. Forest preserve roadside, near Napolitan, Sipicot, Camarines Sur, Luzon. Elevation 240 meters. Stooling habit compact; pseudostems numerous, reddish purple, to 3.2 meters high, 28 cm. diameter; male bud has greenish-yellow bracts, margined purple; inner bract surface rich rose purple. A putative, *M. textilis* × *M. acuminata* hybrid.

## 263387. MUSA sp.

Col. No. 2-7417. 'Galuac'. Rolling hillsides, Daet, Camarines Norte, Luzon. Elevation 90 meters. Pseudostem solitary, mostly green, to four meters high, 35 cm. diameter, surrounded by compact suckers which do not develop until the principal pseudostem has fruited and died; bunch pendulous, with 10 hands; fingers 16 cm. long, 3.5 cm. diameter. Has "diploid look."

## 263388. MUSA sp.

Col. No. 2-7421. 'Matavia'. Oas, Albay, Luzon. Elevation 30 meters. Stooling habit compact; pseudostems few, green, to 4.5 meters high, 25 cm. diameter; foliage erect; bunch pendulous, with four hands; fingers 18 cm. long, 3.2 cm. diameter, oddly abruptly truncate at apex. Has "diploid look."

## 263389 and 263390. SORGHUM BICOLOR (L.) Moench Poaceae.

From the Union of South Africa. Seeds presented by the Division of Crops and Pastures, Department of Agriculture, Pretoria.

263389. DL 59/1481. 'Framida'.

263390. DL 59/1480. 'Haakdoring'.

## 263391 to 263396.

From Brazil. Seeds presented by the Institute Agronomico, Campinas, Sao Paulo.

263391. ARACHIS HYPOGAEA f. NAMBYQUARAE (Hoehne) F. J. Herm. Fabaceae.

263392. ARACHIS VILLOSA Benth.

No. V. 359.

263393 to 263396. ARACHIS sp.

263393. No. V. 357.

363395. No. V. 122.

263394. No. V. 44.

363396. No. V. 123.

## 263397 to 263405. CUCUMIS MELO L. Cucurbitaceae.

Muskmelon.

From Iran. Seeds presented by the United States Embassy, Tehran. Numbered Jan. 28, 1960.

263397. No. 1. Tehran cantaloupe.

**263397 to 263405—Continued**

263398. No. 2. Tehran cantaloupe.  
 263399. No. 3. Tehran cantaloupe.  
 263400. No. 4. 'Kharbozeh'. Tehran Persian melon.  
 263401. No. 5. Tehran Persian melon.  
 263402. No. 6. 'Shakhte'. Meshed muskmelon.  
 263403. No. 7. 'Shakhte'. Meshed.  
 263404. No. 8. Meshed cantaloupe.  
 263405. No. 9. 'Teel'. Meshed.

**263406. CYAMOPSIS TETRAGONOLOBA (L.) Taub. Fabaceae. Guar.**

From the Republic of the Congo. Seeds presented by the Division of Botany, Centre de Recherches, Yangambi. Numbered Jan. 29, 1960.

**263407 to 263411. HORDEUM VULGARE L. Poaceae. Barley.**

From Japan. Seeds presented by the Tochigi Agricultural Experiment Station, Minami, Kawauchi. Numbered Jan. 28, 1960.

263407. 'Hakata No. 2'.                      263410. 'Tochigi-Golden Melon'.  
 263408. 'Hatakaze'.                      263411. 'Wasetankangal'.  
 263409. 'Nagoya No. 12'.

**263412 to 263421.**

From Algeria. Seeds presented by the Experimental Agricultural Service, Maison-Carree. Numbered Jan. 28, 1960.

263412. AVENA SATIVA L. Poaceae.                      Common oats.  
 'Red Algerian No. 31'.

**263413 and 263414. HORDEUM VULGARE L. Poaceae. Barley.**

263413. No. 1. (Orge Saida 183).  
 263414. No. 2. (Orge Tichidrett 3265).

**263415 to 263421. TRITICUM AESTIVUM L. Poaceae. Common wheat.**

263415. 'Bida 17'.                      263419. 'Mohon Demias'.  
 263416. 'Bumafior 22259'.                      263420. 'Oued Zenati 368'.  
 263417. 'Florence' × 'Aurore 8193'.                      263421. 'Saba 22738'.  
 263418. 'Hedba 3'.

**263422 to 263424. TRITICUM AESTIVUM L. Poaceae. Common wheat.**

From Yugoslavia. Seeds presented by the Beogradski University. Noor'Sad. Numbered Jan. 28, 1960.

263422. 'Forlani'. Spring type.  
 263423. 'Quaderna'. Spring type.  
 263424. S-13.

**263425 to 263431.**

From Colombia. Seeds presented by D. A. Crane, Bogota. Numbered Jan. 28, 1960.

263425. CANAVALIA ENSIFORMIS (L.) DC. Fabaceae.                      Jack-bean.  
 'Vaile No. 5'.  
 263426. CROTALARIA ANAGYROIDES H.B.K. Fabaceae.

**263425 to 263431—Continued****263427 and 263428.** *CROTALARIA INCANA* L.

263427. No. 1.

263428. No. 2.

**263429.** *CROTALARIA MUCRONATA* Desv.**263430.** *CROTALARIA PAULINA* Schrank**263431.** *CROTALARIA VERRUCOSA* L.**263432 to 263440.**

From the Federation of Rhodesia and Nyasaland. Seeds presented by the Agricultural Experiment Station, Salisbury. Numbered Jan. 29, 1960.

**263432 to 263439.** *STIZOLOBIUM ATERRIMUM* Piper & Tracy Fabaceae.  
Velvetbean.

263432. Selection No. 5.

263436. Selection No. 42.

263433. Selection No. 11.

263437. Selection No. 52.

263434. Selection No. 16.

263438. Selection No. 77.

263435. Selection No. 18.

263439. Selection No. J-74.

**263440.** *STIZOLOBIUM DEERINGIANUM* Bort.

Deering velvetbean.

'Somerset'.

**263441 to 263470.** *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**

From Japan. Seeds presented by the Biological Institute, Toyama University, Toyama. Numbered Jan. 29, 1960.

**263441.** BAN-4. Seeds medium size, black; surface smooth. Alternate phyllotaxis.

**263442.** BAN-5. Seeds large, light brown; surface rough. Alternate phyllotaxis.

**263443.** BAN-10. Seeds large, white; surface smooth. Alternate phyllotaxis.

**263444.** BAN-12. Seeds large, dark brown; surface rough. Alternate phyllotaxis, branching.

**263445.** BAN-16. Seeds small, light black; surface smooth. Alternate phyllotaxis, indehiscent.

**263446.** BAN-36. Seeds medium size, grey; surface smooth. Alternate phyllotaxis.

**263447.** BON-20. Seeds large, grey; surface smooth. Opposite phyllotaxis.

**263448.** 2BN-5. Seeds large, grey; surface smooth. Alternate phyllotaxis, branching.

**263449.** 3BA-3. Seeds small, yellow; surface smooth. Alternate phyllotaxis.

**263450.** 3BA-7. Seeds medium size, brown; surface smooth. Alternate phyllotaxis, branching.

**263451.** 3BA-9. Seeds large, light brown; surface smooth. Alternate phyllotaxis, branching.

**263452.** 3BA-14. Seeds small, white; surface smooth. Alternate phyllotaxis, indehiscent.

**263453.** 3BA-16. Seeds small, white; surface smooth. Alternate phyllotaxis.

**263454.** 3BA-18. Seeds large, white; surface rough. Alternate phyllotaxis.



## 263441 to 263470—Continued

263455. 3BO-11. Seeds large, yellow; surface smooth. Opposite phyllotaxis, indehiscent.
263456. 3BO-29. Seeds large, light brown; surface rough. Opposite phyllotaxis.
263457. 3BO-31. Seeds large, brown; surface rough. Opposite phyllotaxis, branching.
263458. 3BO-48. Seeds large, white; surface rough. Opposite phyllotaxis, branching.
263459. QAN-14. Seeds small, brown; surface smooth. Alternate phyllotaxis, branching.
263460. QAN-43. Seeds large, white; surface smooth. Alternate phyllotaxis, branching.
263461. QAN-45. Seeds large, light brown; surface smooth. Alternate phyllotaxis.
263462. 2QN-1. Seeds very small, black; surface smooth. Alternate phyllotaxis, indehiscent.
263463. 3QA-1. Seeds large, black; surface rough. Alternate phyllotaxis.
263464. 3QA-12. Seeds large, light brown; surface smooth. Alternate phyllotaxis.
263465. 3QA-13. Seeds large, light brown; surface rough. Alternate phyllotaxis, indehiscent.
263466. 3QA-19. Seeds large, white; surface rough. Alternate phyllotaxis.
263467. 3QA-20. Seeds large, light blue; surface smooth. Alternate phyllotaxis.
263468. 3QO-1. Seeds medium size; light green, surface smooth. Opposite phyllotaxis.
263469. 3QO-5. Seeds medium size, white; surface rough. Opposite phyllotaxis.
263470. 3QO-6. Seeds medium size, white; surface smooth. Opposite phyllotaxis.

## 263471 to 263487. NICOTIANA TABACUM L. Solanaceae.

## Common tobacco.

From Australia. Seeds presented by the Division of Plant Industry, Department of Agriculture, Sydney. Numbered Feb. 1, 1960.

263471. A2-56-11.
263472. (A2-65-1) × 'Hicks' for F<sub>1</sub>.
263473. 'Hicks' × (277-1A-27-0)
263474. (A2-65-2) × 'Bel 59-1001' for F<sub>1</sub>.
263475. A2-65-2.
263476. (A2-65-2) × 'Hicks' for F<sub>1</sub>.
263477. A2-82-1.
263478. (A2-82-1) × 'Hicks' for F<sub>1</sub>.
263479. 'Hicks' × ('Hicks' × 227-1A-27-0) for F<sub>1</sub>.
263480. (A1-3-1) × 'Hicks' for F<sub>1</sub>.
263481. (A2-56-11) × 'Hicks' for F<sub>1</sub>.
263482. A1-12-1

## 263471 to 263487—Continued

263483. (A1-12-1)  $\times$  'Bel 59-1001' for F<sub>1</sub>.263484. (A1-12-1)  $\times$  'Hicks' for F<sub>1</sub>.

263485. A2-65-1.

263486. (A1-3-1)  $\times$  'Bel 59-1001' for F<sub>1</sub>.263487. A2 hybrid for F<sub>1</sub>. (Original)263488. *CAMELLIA SALICIFOLIA* Champion ex Benth. Theaceae.

From Hong Kong. Seeds presented by the Gardens Division, Urban Services, Victoria. Numbered Feb. 1, 1960.

No. 14105.

## 263489 to 263494.

From Tasmania. Seeds presented by the Scientific and Industrial Research Organization, Hobart. Numbered Feb. 1, 1960.

263489. *EUCALYPTUS COCCIFERA* Hook. f. Myrtaceae.263490. *EUCALYPTUS CORDATA* Labill.263491. *EUCALYPTUS GIGANTEA* Hook. f.263492. *EUCALYPTUS PAUCIFLORA* Sieber ex Spreng.263493. *EUCALYPTUS FERRINIANA* Rodway263494. *EUCALYPTUS SIMMONDSII* Maiden

## 263495 to 263500.

From Israel. Seeds presented by the Agricultural Experiment Station, Nve-Yaar. Numbered Feb. 1, 1960.

263495 and 263496. *MELILOTUS ALBA* Desr. Fabaceae. White sweetclover.

263495. 'Bet Keshet 1104'.

263496. 'Huleh 1106'.

263497 and 263498. *MELILOTUS INDICA* (L.) All. Yellow sweetclover.

263497. 'Bet Dagan 1103'.

263498. 'Huleh 1107'.

263499. *MELILOTUS SICULA* Vitm.

'Bet Dagan 1102'.

263500. *TRIFOLIUM FRAGIFERUM* L. Fabaceae. Strawberry clover.

## 263501 to 263503.

From Germany. Seeds presented by the Max Planck Institute, Kol-Vogelsang. Numbered Feb. 2, 1960.

263501. *FRAGARIA VESCA* L. Rosaceae. European strawberry.  
'Franken'. Selfed.263502. *FRAGARIA VESCA* var. *SEMPERFLORENS* (Duchesne) Seringe in DC.  
'Selfed'. Everbearing strawberry.263503. *FRAGARIA* (hybrid).

## 263504 and 263505.

From Israel. Seeds presented by the Soil Conservation Service, Migdal-Ashkalon. Received Feb. 3, 1960.

263504. *ORYZOPSIS COERULESCENS* (Desf.) Hack. Poaceae.263505. *ORYZOPSIS HOLCIFORMIS* (Bieb.) Hack.

## 263506 to 263509.

From Uganda. Seeds presented by the Serere Experiment Station, Soroti. Received Feb. 3, 1960.

263506. *CHLORIS GAYANA* Kunth Poaceae.

SR 5316X1.

263507. *HYPARRHENIA RUFA* (Nees) Stapf Poaceae.

SR 5765.

263508. *MELINIS MINUTIFLORA* Beauv. Poaceae.

SR 5561.

263509. *CENCHRUS CILIARIS* L. Poaceae.

SR 5411.

## 263510 and 263511.

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Collected at Fort Huachuca, Arizona, elevation 5,000 feet, Sept. 27, 1959, and received Feb. 3, 1960.

263510. *AGROSTIS PILOSA* (L.) Beauv. Poaceae.

Col. No. 17889. Rank annual.

263511. *LINUM LEWISII* Pursh. Linaceae.

Col. No. 17877. Herbaceous perennial.

## 263512 to 263516.

From Korea. Scions presented by the United States Operations Mission, Seoul. Numbered Feb. 4, 1960.

263512. *JUGLANS* sp. Juglandaceae.

263513. *JUGLANS* sp.

263514. *PINUS KORAIENSIS* Sieb & Zucc. Pinaceae.

Korean pine.

263515 and 263516. *RHUS VERNICIFLUA* Stokes Anacardiaceae.

Lacquer-tree.

263515. "A".

263516. "B".

## 263517 to 263519.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Plant Industry Station, Beltsville, Md. Received Feb. 4, 1960.

263517. *ABUTILON INCANUM* (Link) Sweet Malvaceae.

Col. No. 17847. 'Pintapan'. Matape, Sonora. Elevation 2,400 feet. Bushy, erect perennial; flowers yellow.

263518. *BOUTELOUA CURTIPENDULA* (Michx.) Torr. Poaceae.

Col. No. 17857. 'Sacate del Cerro'. Cerito del Lopez, 40 miles northwest of Hermosillo, Sonora. A Sonoran desert drought resistant variety.

263519. *SESBANIA EXALTATA* (Raf.) Cory Fabaceae.

Col. No. 18355. Estacion Ruiz, Nayarit. Elevation 200 feet. Plants to 16 feet high, used as cover crop and for fiber.

## 263520 to 263523.

From Korea. Scions presented by the United States Operations Mission, Seoul. Scions unless otherwise noted. Received Feb. 4, 1960.

263520. *CASTANEA CRENATA* Sieb. & Zucc. Fagaceae. Japanese chestnut.



## 263520 to 263523—Continued

263521 and 263522. DIOSPYROS LOTUS L. Diospyraceae. Dateplum.

263521. "A".

263522. "B".

263523. GINKGO BILOBA L. Ginkgoaceae. Maidenhair-tree.

263524. IPOMOEA BATATAS (L.) Convolvulaceae. Sweetpotato.

From Kenya. Tubers presented by the East African Research Organization, Kikuyu.

'Muguga C'.

263525. CYAMOPSIS SENEGALENSIS Guill. & Perr. Fabaceae.

From Senegal. Seeds presented by the Agronomy Research Center, Bambey. Received Feb. 4, 1960.

## 263526 to 263535.

From Angola. Seeds presented by the Station for the Improvement of Plants, Nova Lisboa. Received Feb. 5, 1960.

263526. CROTALARIA JUNCEA L. Fabaceae. Sunn-hemp.

263527. CROTALARIA LACHNOCARPA Hochst.

263528. CROTALARIA MAXILLARIA Klatz.

263529. CROTALARIA MUCRONATA Desv.

263530. CROTALARIA USARAMOENSIS Baker f.

263531. DIGITARIA SMUTSII Stent. Poaceae.

263532. GLYCINE JAVANICA L. Fabaceae.

263533. STIZOLOBIUM ATERRIMUM Piper & Tracy Fabaceae.

'Mucuna Preta'

263534 and 263535. STIZOLOBIUM DEERINGIANUM Bort. Deering velvetbean.

263534. 'Mucuna Rajado'.

263535. 'Somerset'.

## 263536 and 263537.

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, N.Y.

263536. SAMBUCUS EDULUS L. Caprifoliaceae. Danewort.

G-9620. From Yugoslavia.

263537. LOBELIA INFLATA L. Campanulaceae. Indian-tobacco.

B-49894. Glenn Dale seed storage.

263538. MUSA × PARADISIACA L. Musaceae. Plantain-banana.

From the British West Indies. Rhizomes collected by J. J. Ochse, United Fruit Company Expedition. Received Feb. 8, 1960.

Col. No. O-55. 'Giant Lacatan'. Archbald Plantations, Dominica. Unusually large Lacatan variation.

263539. PYRUS PYRIFOLIA (Burm.) Nakai Malaceae.

From Japan. Seeds presented by the Section of Commerce and Industry, Mishima City, Shizuoka. Received Feb. 8, 1960.

**263540 to 263544. PENNISETUM SPICATUM (L.) Willd. Poaceae.**  
**Pearl millet.**

From the Union of South Africa. Seeds presented by the Division of Crops and Pastures, Department of Agriculture, Pretoria. Received Feb. 8, 1960.

263540. P 3722; DL 159/2553.

263543. P 3726; DL 159/1554.

263541. P 3723; DL 159/1555.

263544. P 4443; DL 159/1556.

263542. P 3725; DL 159/1553.

**263545 to 263547.**

From Morocco. Seeds presented by the Institute des Fruits et Agrumes Coloniaux, Rabat. Received Feb. 8, 1960.

263545 and 263546. CITRUS MEDICA L. Rutaceae.

**Citron.**

263545. 'M'Guergueb'. Kindia, Guinea.

263546. 'Rhobs El Arsa'. Ain Taoujdat, Morocco.

263547. CITRUS RETICULATA Blanco Rutaceae.

**Mandarin orange.**

'Mandarinette'. Souelah, Morocco.

**263548 to 263552. COFFEA ARABICA L. Rubiaceae.**

**Arabian coffee.**

From Madagascar. Seeds presented by the Experiment Station, Kianjavato. Received Feb. 9, 1960.

263548. No. 17984, Clone 39.

263551. No. 17987, Clone 45.

263549. No. 17985, Clone 43.

263552. No. 17988, Clone 46.

263550. No. 17986, Clone 44.

**263553 to 263557.**

From Turkey. Seeds presented by the International Cooperation Administration, Ankara. Received Feb. 9, 1960.

263553 and 263554. AEGILOPS CYLINDRICA Host Poaceae.

263553. Lake Van shore.

263554. Scrub oak forest south of Usak.

263555. AEGILOPS SPELTOIDES Tausch.

Near Edremit.

263556 and 263557. AEGILOPS TRIUNCIALIS L. Poaceae.

**Barb goatgrass.**

263556. Pine forest near Denizli.

263557. Lake Van shore.

**263558. EUCALYPTUS (hybrid). Myrtaceae.**

From India. Seeds presented by the Forest Research Institute and Colleges, Dehra Dun. Received Feb. 9, 1960.

'Bangalore'. From Mysore, Bangalore.

**263559 to 263564.**

From Switzerland. Seeds presented by the Federal Agricultural Research Station, Lausanne. Received Feb. 8, 1960.

263559. AVENA SATIVA L. Poaceae.

**Common oats.**

'Brune Mont-Calme'.

263560. HORDEUM VULGARE L. Poaceae.

**Barley.**

'Riniken'.

**263559 to 263564—Continued**

**263561.** *SECALE CEREALE* L. Poaceae. Rye.  
'Cadi'.

**263562 to 263564.** *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

**263562.** 'Mont-Calme 245'.

**263563.** 'Mont-Calme 268'.

**263564.** 'Probus'.

**263565.** *PRUNUS* sp. Amygdalaceae.

From Great Britain. Layers presented by the East Malling Research Station, Kent, England. Received Feb. 11, 1960.

'Mazzard F1/3'.

**263566.** *MALUS SYLVESTRIS* Mill. Malaceae. Apple.

From Germany. Scions presented by Christian Fey Baumschulen, Meckenheim, Bonn. Received Feb. 11, 1960.

'Erick Newmann's Red James Grieve'.

**263567 to 263570.**

From Israel. Seeds presented by the Forest Research Institute, Ilanot. Received Feb. 11, 1960.

**263567.** *CERCIS SILIQUASTRUM* L. Caesalpiniaceae. Judas-tree.

**263568.** *STYRAX OFFICINALIS* L. Styracaceae. Storax.

**263569.** *ZIZYPHUS LOTUS* L. Lam. Rhamnaceae. Jujube.

**263570.** *ZIZYPHUS SPINA-CHRISTI* (L.) Willd.

**263571.** *SACCHARUM* (hybrid). Poaceae. Sugarcane.

From the British West Indies. Cuttings presented by the Central Sugar Cane Breeding Station, Barbados. Received Feb. 12, 1960.

J-1.

**263572 to 263582.**

From Sweden. Seeds presented by the Weibull Seed Company, Landskrona. Received Feb. 12, 1960.

**263572 and 263573.** *AVENA SATIVA* L. Poaceae. Common oats.

**263572.** Weibulls No. 16187.

**263573.** Weibulls No. 16228.

**263574 to 263579.** *HORDEUM VULGARE* L. Poaceae. Barley.

**263574.** Weibulls Original 'Ingrid No. 5425'.

**263575.** Weibulls Original 'Rika'.

**263576.** Weibulls No. 5573.

**263577.** Weibulls No. 5492. Spring.

**263578.** Weibulls No. 5666. Spring.

**263579.** Weibulls No. 5672. Spring.

**263580 to 263582.** *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

**263580.** Weibulls No. 5583.

**263581.** Weibulls No. 5323. Spring.

**263582.** Weibulls Original 'Svenno'. Spring.



263583. *VIBURNUM TRILOBUM* Marsh. Caprifoliaceae.

From Canada. Cuttings presented by the Ornamentals Section, Department of Agriculture, Morden, Manitoba.

'Manito'.

263584. *CYNARA SCOLYMUS* L. Asteraceae. **Artichoke.**

From Spain. Seeds presented by the National Institute for the Selection and Production of Seeds, Madrid. Received Feb. 15, 1960.

## 263585 to 263588.

From the Philippines. Rhizomes collected by P. H. Allen, United Fruit Company Expedition. Received Feb. 16, 1960.

263585. *MUSA* sp. Musaceae.

Col. No. 2-7426. 'Inmasucar'. Barrio Angasian, Ilagan, Isabela Province, Luzon. Elevation 95 meters. Stooling habit compact; pseudostems many, to 5.5 meters high, 34 cm. diameter, green, flushed pink at base; bunch pendulous, with eight hands; fingers 18 cm. long, 3 cm. diameter; fruit yellow when ripe. A vigorous 'Calamay-Senora' type.

263586. *MUSA* sp.

Col. No. 2-7431. 'Guyud'. Palaui island hillside, near Port San Vicente, Cagayan Province, Luzon. Elevation 15 meters. Stooling habit compact; pseudostems many, to four meters high, 30 cm. diameter, mostly green, with some blackish blotches; bunch reported pendulous and fruit yellow when ripe. May be resistant to Panama disease.

263587. *MUSA* sp.

Col. No. 2-7432. 'San Juan'. Palaui island hillside, near Port San Vicente, Cagayan Province, Luzon. Elevation 15 meters. Stooling habit compact; pseudostems many, green, to 4.5 meters high, 28 cm. diameter; bunch pendulous, with four hands; fingers 18 cm. long, 3.5 cm. diameter; fruits silvery when immature, yellow when ripe.

263588. *MUSA* sp.

Col. No. 2-7433. 'Ripping'. Luna Exp. Sta., Apayao, Mountain Province, Luzon. Elevation 15 meters. Stooling habit compact; pseudostems many, vigorous, to 5.5 meters high and 30 cm. diameter, heavily blackish blotched; foliage erect; bunch pendulous, with eight hands; fingers 14 cm. long, 3.5 cm. diameter, but fused together.

## 263589 to 263599.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Maryland. Received Feb. 16, 1950.

263589. *LYCOPERSICON PIMPINELLIFOLIUM* (Jusl.) Mill. Solanaceae. **Currant tomato.**

Col. No. 17856. Ahome, Sinaloa. Scandent on shrubs; fruit panicles small.

263590. *PHASEOLUS ACUTIFOLIUS* Gray Fabaceae.

Col. No. 17834. Matape, Sonora. Elevation 2,300 feet. Annual climber.

263591 to 263598. *PHASEOLUS VULGARIS* L. **Common bean.**

263591. Col. No. 18287. Market, Ciudad Juarez, Chihuahua. Bean colorful.

263592. Col. No. 18290. Market, Jalpa, Zacatecas. Beans pale yellow.

263593. Col. No. 18291. Market, Jalpa, Zacatecas. Bean white.

263594. Col. No. 18292. Market Jalpa, Zacatecas. Bean brown.

263595. Col. No. 18293. Market Jalpa, Zacatecas. Bean lavender.

**263589 to 263599—Continued****263591 to 263598—Continued**

263596. Col. No. 18294. Market Jalpa, Zacatecas. Bean mottled gray.

263597. Col. No. 18295. Market Jalpa, Zacatecas. Bean yellow.

263598. Col. No. 18377. Sierra Surotato, Sinaloa. Elevation 6,000 feet. Beans light yellow.

**263599. PHASEOLUS ACUTIFOLIUS Gray**

Col. No. 18374. Sierra Surotato, Sinaloa. Elevation 5,000 feet. A climber.

**263600. HIBISCUS SABDARIFFA L. Malvaceae. Roselle.**

From the Belgian Congo. Seeds presented by the Institut pour l'Etude Agronomique, Gandajika. Received Feb. 18, 1960.

**263601. DAUCUS CAROTA L. Apiaceae. Carrot.**

From France. Seeds collected by E. Davis, agricultural explorer, Plant Industry Station, Beltsville, Md.

Col. No. D-27. Godineau & Co., Angers. Flowers with pink ovaries.

**263602 to 263607.**

From Australia. Seeds presented by the Soil Conservation Service, Inverell Research Station, Sydney.

**263602 to 263604. PANICUM COLORATUM L. Poaceae.**

263602. No. 374. From Rietolei, Union of South Africa.

263603. No. 430. Bambatsi. Gunnedah Research Station.

263604. No. 284. C.P.I. 17078.

**263605 to 263607. PANICUM COLORATUM var. MAKARIKARIENSE Goossens Poaceae.**

263605. No. 383.

263606. No. 1408. Kx-19. Gunnedah Research Station.

263607. No. 162. C.P.I. 7939. Cowea Research Station.

**263608 to 263631. BETA VULGARIS L. Chenopodiaceae. Beet.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Breeding, Leningrad. Received Feb. 16, 1960.

263608. 643. From India.

263609. 117. From Turkey.

263610. 1345. Turkestan.

263611. 1. 'Kiev Krosbi'. Ukraine, S.S.R.

263612. 2. 'Krosbi NI/5/-7'. Ukraine, S.S.R.

263613. 18. 'Pushkinskaya Ploskaya'. Leningrad Oblast.

263614. 201B. 'Bordo 58'. White Russia, S.S.R.

263615. 201/49. 'Bordo 0237'. Moscow Oblast.

263616. 221/17. 'Leningradskaya-okruglaya'. Leningrad Oblast.

263617. 1585. 'Polyarnaya Ploskayai'. Murmansk Oblast.

263618. 1586. 'Severnoy Shar r 250'. Murmansk Oblast.

263619. 1615. 'Plosko-kruglaya N 3/5'. Ukraine, S.S.R.

263620. 1669. 'Nosovskaya Ploskaya'. Ukraine, S.S.R.

263621. Vr. 62. 'Podyimnaya A 0474'. Moscow Oblast.

263622. Vr. 93. 'Epfurtskaya'. Georgia, S.S.R.

**263608 to 263631—Continued**

263623. 0143. 'Sakharistaya Okruglaya'. Leningrad Oblast.  
 263624. 1033. 'Severnaya Oranzhevaya'. Leningrad Oblast.  
 263625. 1596. 'Detnuvoe Barres'. Lithuania, S.S.R.  
 263626. Vr. 78. 'Ekkendorfskaya Zheltaya'. Bashkir S.S.R.  
 263627. Vr. 86. 'Arnim Krivenskaya'. Gorki Oblast.  
 263628. Vr. 89. 'Ekkendorfskaya Zhettaya'. Georgia, S.S.R.  
 263629. 1469. 'Pobeditel'. Ukraine, S.S.R.  
 263630. 1471. 'Ideal Noltavsky'. Ukraine, S.S.R.  
 263631. 252. 'Peragis'. Latvia, S.S.R.

**263632. BETA VULGARIS var. CICLA L. Chenopodiaceae.**

**Swiss chard.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Breeding, Leningrad. Received Feb. 16, 1960.

No. 151. From Asia Minor.

**263633. MALUS SYLVESTRIS Mill. Malaceae.**

**Apple.**

From Great Britain. Rootstocks presented by the East Malling Research Station, near Maidstone, Kent, England.

**263634. VERNONICA ANTHELMINTICA (L.) Willd. Asteraceae.**

From the United States. Seeds purchased from Herbst Brothers, New York, N.Y. Received Feb. 17, 1960.

**263635. PASSIFLORA EDULIS f. FLAVACARPA Degener. Passifloraceae.**

From Puerto Rico. Seeds collected by L. H. MacDaniels, Rio Pedras. Received Feb. 17, 1960.

**263636 and 263637.**

From Ethiopia. Plant material collected by W. A. Archer, agricultural explorer, New Crops Research Branch, Plant Industry Station, Beltsville, Md. Numbered Feb. 17, 1960.

**263636. CRATEROSTIGMA PLANTAGINEUM Hochst. Scrophulariaceae.**

Col. No. I 10041. Hallata. Rhizomes collected April 17, 1951.

**263637. MYRSINE AFRICANA L. Myrsinaceae.**

Col. No. S.I. 8770. Addis Ababa market. Seeds collected Feb. 1951.

**263638 and 263639. RUBUS MACROCARPUS Benth. Rosaceae.**

From Columbia. Plants presented by the Instituto de Ciencias Naturales. Bogota. Received Feb. 18, 1960.

**263638.** From Boqueron de Chipaque.

**263639.** From Paramo de Palacios.

**263640. CLYMENIA POLYANDRA (Tanaka) Swingle Rutaceae.**

From New Guinea. Fruits presented by the Department of Agriculture, Stock and Fisheries, Port Moresby. Received Feb. 18, 1960.

**263641. SACCHARUM (hybrid). Poaceae.**

**Sugarcane.**

From the United States. Cuttings presented by the Hawaiian Sugar Planters Association, Honolulu, Hawaii. Received Feb. 18, 1960.

'Loethers'.



**263642 to 263665.**

From Japan. Seeds presented by the Kyushu University, Fukuoka. Received Feb. 18, 1960.

- 263642.** *CALLICARPA MOLLIS* Sieb. & Zucc. Verbenaceae.

Yame District, Fukuoka Pref.

- 263643.** *CAMELLIA JAPONICA* L. Theaceae.

Common camellia.

Seburi, Saga Pref.

- 263644.** *CAMELLIA SASANQUA* Thunb.

Seburi, Saga Pref.

- 263645.** *CAMELLIA SINENSIS* (L.) Kuntze

Tea.

'Bohea'. Seburi, Saga Pref.

- 263646.** *EUONYMUS ALATUS* (Thunb.) Rupr. Celastraceae.

Winged euonymus.

Yame District, Fukuoka Pref.

- 263647** *HIBISCUS SYRIACUS* L. Malvaceae.

Shrub-althea.

Kasuya District, Fukuoka Pref.

- 263648.** *ILEX BUERGERI* Miquel. Aquifoliaceae.

Chikushi District, Fukuoka Pref.

- 263649 and 263650.** *ILEX CRENATA* Thunb.

Japanese holly.

**263649.** 'Convexa'. Fukuoka City.

**263650.** Shiba, Miyasaki Pref.

- 263651.** *ILEX INTEGRAL* Thunb.

Seburi, Saga Pref.

- 263652.** *ILEX LATIFOLIA* Thunb.

Seburi, Saga Pref.

- 263653.** *ILEX PEDUNCULOSA* Miquel.

Shiba, Miyasaki Pref.

- 263654.** *ILEX ROTUNDA* Thunb.

Fukuoka City.

- 263655.** *ILEX SERRATA* var. *SIEBOLDII* Loes.

Yame District, Fukuoka Pref.

- 263656.** *LIGUSTRUM JAPONICUM* Thunb. Oleaceae.

Japanese privet.

Yame District, Fukuoka Pref.

- 263657.** *MAGNOLIA OBOVATA* Thunb. Magnoliaceae.

Fukuoka City.

- 263658.** *PYRACANTHA ANGUSTIFOLIA* (Franch.) C. Schneid. Malaceae.

Narrowleaf firethorn.

Yame District, Fukuoka City.

- 263659.** *RAPHIOLEPIS UMBELLATA* (Thunb.) Makino Malaceae.

Yeddo.

Kasuya District, Fukuoka Pref.

- 263660.** *SYMPLOCOS LANCIFOLIA* Sieb. & Zucc. Symplocaceae.

Chikushi District, Fukuoka Pref.

- 263661.** *TERNSTROEMIA GYMANTHERA* (Wight & Arn.) Sprague Theaceae.

Kasuya District, Fukuoka Pref.

**263642 to 263665—Continued**

**263662.** *TROCHODENDRON ARALIOIDES* Sieb. & Zucc. Trochodendraceae.  
Shiba, Miyaski Pref.

**263663.** *VIBURNUM EROSUM* Thunb. Caprifoliaceae.  
'Punctatum'. Yame District, Fukuoka Pref.

**263664.** *VIBURNUM JAPONICUM* (Thunb.) Spreng.  
Fukuoka City.

**263665.** *VIBURNUM ODORATISSIMUM* Ker. Sweet viburnum.  
Itoshima District, Fukuoka Pref.

**263666 to 263669.** *SACCHARUM* (hybrids). Poaceae.**Sugarcane.**

From Colombia. Cuttings presented by the Granja Agricola Experimental, Palmira, Valle. Received Feb. 24, 1960.

**263666.** E.P.C. 51. 402. **263668.** E.P.C. 51. 319.

**263667.** E.P.C. 50. 922. **263669.** E.P.C. 54. 387.

**263670 to 263676.** *VITIS VINIFERA* L. Vitaceae.**European grape.**

From Yugoslavia. Cuttings presented by the United States Operations Mission, Belgrade. Received Feb. 24, 1960.

**263670.** 'Afuz-Ali-Kruskasti'. Berries ovate.

**263671.** 'Afuz-Ali-Urmasti'. Berries long, good quality.

**263672.** 'Muskat Hamburg-Bekman'. Plant productive; berries round.

**263673.** 'Muskat Hamburg-Duguljasti'. Plant not productive; berries long, good quality.

**263674.** 'Muskat Otonel'.

**263675.** 'Prokupac'.

**263676.** 'Sasla Buvije'.

**263677 to 263685.** *PYRUS COMMUNIS* L. Malaceae.

From Great Britain. Scions presented by the Ministry of Agriculture, Fisheries and Food, Kent, England. Received Feb. 24, 1960.

**263677.** 'Autumn Nelis'. **263682.** 'Le Brun'.

**263678.** 'Belle Julie'. **263683.** 'Michaelmas Nelis'.

**263679.** 'Beurre de Jonghe'. **263684.** 'Napoleon'.

**263680.** 'Fondante D'Automne'. **263685.** 'President Barabe'.

**263681.** 'Hacon's Incomparable'.

**263686 and 263687.** *CITRUS SINENSIS* (L.) Osbeck Rutaceae**Orange.**

From Morocco. Seeds presented by the Institut des Fruits at Agrumes Coloniaux, Rabat. Received Feb. 24, 1960.

**263686.** 'Grosse Sanguine'. From Sidi-Slimane.

**263687.** 'Grosse Sanguine'. From Souelah.

**263688.** *TRIFOLIUM RESUPINATUM* L. Fabaceae. **Persian clover.**

From Iran. Seeds presented by F. Samsam, Tehran. Received Feb. 24, 1960.

**263689 to 263691. CORYLUS AVELLANA L. Betulaceae. Filbert.**

From Spain. Plants presented by the Servicio Agronomico Nacional de Tarragona, Tarragona. Received Feb. 25, 1960.

**263689.** 'Grifoll d'Alforja'.

**263690.** 'Negret'.

**263691.** 'Ribet d'Alforja'.

**263692. PRUNUS SIEBOLDII (Carr.) Wittmack Amygdalaceae.**

From Japan. Seeds presented by the Experimental Forest Station, Kyoto University, Kyoto. Received Feb. 25, 1960.

**263693. ARUNDINELLA HIRTA (Thunb.) Koidz. Poaceae.**

From Korea. Seeds presented by the United States Operations Mission, Seoul. Received Feb. 25, 1960.

**263694. VICIA LUDOVICIANA Nutt. Fabaceae.**

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Plant Industry Station, Beltsville, Md. Received Feb. 25, 1960.

Col. No. 17894. Chiricahua Mountains, Arizona. Elevation 5,500 feet. Perennial ground vine; stems and leaves fine.

**263695. LEUCAENA ESCULENTA (Moc. & Sess.) Benth. Mimosa-ceae.**

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Plant Industry Station, Beltsville, Md.

Col. No. 18297. 'Huaje'. Near Moyahua, Zacatecas. Slender tree to nine meters high; pods reddish, tender, eaten fresh. May have forage value.

**263696. VICIA NARBONENSIS L. Fabaceae.**

From Turkey. Seeds presented by the Seed Improvement Station, Eskisehir. Received Feb. 26, 1960.

Collected near Ankara.

**263697. DUBOISIA MYOPOROIDES R. Br. Solanaceae.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Feb. 29, 1960.

Q. 400. Collected near Brisbane.

**263698. CYAMOPSIS TETRAGONOLOBA (L.) Taub. Fabaceae.**

**Guar.**

From the Sudan. Seeds presented by the Ministry of Agriculture, Khartoum. Received Feb. 29, 1960.

From Wad Medaini.

**263699. VICIA PICTA Fisch. & Mey. Fabaceae.**

From Czechoslovakia. Seeds presented by the Research Institute, Academy of Agricultural Sciences, Sumpérk. Received Feb. 29, 1960.

**263700 and 263701.**

From Peru. Seeds presented by the United States Operations Mission, Lima. Received Feb. 29, 1960.

**263700. CENTROSEMA PUBESCENS Benth. Fabaceae.**

Collected in Tingo Maria.

**263701. STYLOSANTHES SUNDAICA Taub. Fabaceae.**

Collected in Tingo Maria.



## 263702 to 263709.

From Spain. Seeds presented by the Servicio Municipal de Parques y Jardines, Barcelona. Received Feb. 29, 1960.

263702. *IPOMOEA PURPUREA* (L.) Roth. Convolvulaceae.

Common morning-glory.

263703. *MANIHOT CARTHAGINENSIS* (Jacq.) Muell. Euphorbiaceae.

263704. *MISCANTHUS SINENSIS* Anderss. Poaceae.

Eulalia.

263705. *PANICUM PLICATUM* Lam. Poaceae.

263706. *PENNISETUM LONGISTYLUM* Hochst. Poaceae.

263707. *SOLANUM AVICULARE* Forst. f. Solanaceae.

263708. *SOLANUM* sp.

263709. *SOLANUM* sp.

## 263710 to 263727.

From Puerto Rico. Seeds presented by the Agricultural Experiment Station, Rio Piedras. Received Feb. 29, 1960.

263710 to 263726. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.

Tomato.

263710. H 2.

263719. 119.

263711. H 3.

263720. 123.

263712. H 4.

263721. 126 LM.

263713. 15 CM.

263722. 199.

263714. 31 AM-6.

263723. 214.

263715. 78 BM.

263724. 242.

263716. 80.

263725. 408.

263717. 104 AM.

263726. 414.

263718. 105 A.

263727. *SOLANUM MELONGENA* L. Solanaceae.

Eggplant.

'Rosita'.

263728 to 263730. *VITIS VINIFERA* L. Vitaceae.

European grape.

From Yugoslavia. Cuttings presented by the University of Belgrade, Zemun. Received March 1, 1960.

263728. 'Madam Matijas'. From Hungary.

263729. 'Muskat Oliver'.

263730. 'Smederevka Zuta'. Yellow berry selection from the principal white wine variety in Serbia. Plants vigorous, productive; fruit large, yellow, fairly firm, medium-late ripening; clusters large. Also used as a table grape.

263731 to 263747. *CORYLUS AVELLANA* L. Betulaceae. Filbert.

From the Netherlands. Scions presented by the Institute of Horticultural Plant Breeding, Wageningen. Received March 1, 1960.

263731. 'Bergeri'.

263736. 'Garibaldi'.

263732. 'Bondnut'.

263737. 'Lambert Filbert'.

263733. 'Engelse Zeller'.

263738. 'Lange Spaanse'.

263734. 'Fruchess'.

263739. 'Luisen'.

263735. 'Fruehe von Frauendorf'.

263740. 'Medium Long'.

**263731 to 263747—Continued**

- |  |                                       |
|--|---------------------------------------|
| <b>263741.</b> 'Minna's Zeller'.       | <b>263745.</b> 'Verbeterde Cosford'.  |
| <b>263742.</b> 'Neue Riesen'.          | <b>263746.</b> 'Webb's Prize Cob'.    |
| <b>263743.</b> 'Rode Zeller'.          | <b>263747.</b> 'Witpit Lambertsnoot'. |
| <b>263744.</b> 'Roodpit Lambertsnoot'. |                                       |

**263748. SOLANUM TUBEROSUM L. Solanaceae. Potato.**

From Great Britain. Tubers presented by the Scottish Plant Breeding Station, Pentlandsfield, Roslin, Midlothian, Scotland. Received March 1, 1960.

'Sharpe's Express'. Virus S infected. Grown on wart disease- and golden nematode-free land.

**263749. HIBISCUS SABDARIFFA L. Malvaceae. Roselle.**

From the Federation of Rhodesia and Nyasaland. Seeds presented by the Mount Makulu Research Station, Chilanga. Received March 2, 1960.

Grown at Barotseland.

**263750. SECALE CEREALE L. Poaceae. Rye.**

From Germany. Seeds presented by the P. H. Petersen Seed Company, Hushby. Received March 2, 1960.

**263751. ORYZA SATIVA L. Poaceae.**

From Costa Rica. Seeds presented by the Ministry of Agriculture, San Jose. Received March 2, 1960.

**263752 and 263753.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received March 2, 1960.

**263752. ACACIA CONGESTA Benth. Mimosaceae.**

Roadside between Perth and Albany. Prostrate shrub to four feet in diameter, branchlets spinescent; leaves small, ovate.

**263753. DROSERA GIGANTEA Lindl. Droseraceae.**

From North Dandolup.

**263754 to 263765.**

From India. Seeds presented by the Indian Agricultural Program, New Delhi. Received March 2, 1960.

**263754. SORGHUM DURRA (Forsk.) Stapf. Poaceae.**

'Nedja Wallega'. From Jimma, Ethiopia.

**263755 and 263756. SORGHUM MEMBRANACEUM Chiov. Poaceae.**

**263755.** No. 11. 'Birdproof'. From Union of South Africa.

**263756.** From Rustenberg, Union of South Africa.

**263757 to 263765. SORGHUM BICOLOR (L.) Moench Poaceae.**

**263757.** No. 2. 'Kaura'. From Zaria, North Nigeria.

**263758.** No. 3. 'Kaura'. From Zaria, North Nigeria.

**263759.** No. 4. 'Cullubi'. Dwarf selection.

**263760.** No. 5. 'Sapra'. From Zaria, North Nigeria.

**263761.** No. 6. Dwarf selection. From Ethiopia.

**263762.** No. 7. Endosperm red.

**263763.** No. 8. 'Korgi'. From Sudan.

**263764.** No. 9. 'Dobbs'. From Uganda.

**263765.** No. 10. 'Radar'. From South Africa.

**263766 to 263770. HIBISCUS SYRIACUS L. Malvaceae. Shrub-althea.**

From France. Plants presented by Charles Detriche, Angers. Received March 2, 1960.

- |                               |                                  |
|-------------------------------|----------------------------------|
| 263766. 'Monstruosus Plenus'. | 263769. 'Souvenir d'Ch. Breton'. |
| 263767. 'Oisean Bleu'.        | 263770. 'Violaceus Plenus'.      |
| 263768. 'Paeoniflorus'.       |                                  |

**263771 and 263784.**

From India. Cuttings presented by the Sugarcane Breeding Institute, Coimbatore. Received Feb. 26, 1960.

- 263771 to 263778. ERIANTHUS ARUNDINACEUS (Retz.) Jesw. Poaceae.**
- |                  |                     |
|------------------|---------------------|
| 263771. SES 181. | 263775. SES 311.    |
| 263772. SES 206. | 263776. SES 314.    |
| 263773. SES 288. | 263777. Thornless.  |
| 263774. SES 300. | 263778. Coimbatore. |

**263779. ERIANTHUS HOOKERI Hack.**  
Co. 929.

**263780 and 263781. ERIANTHUS MUNJA (Roxb.) Jesw.**  
263780. Co. 951.  
263781. SES 309.

**263782. ERIANTHUS PROCERUS (Roxb.) Raiz.**  
SES 336.

**263783. ERIANTHUS RAVENNAE (L.) Deauv. Ravenna grass.**  
Co. 961.

**263784. MISCANTHUS NEPALENSIS (Trin.) Hack. Poaceae.**  
Co. K. 30.

**263785 and 263786. ORYZA SATIVA L. Poaceae.**

From British Guiana. Seeds presented by the Department of Agriculture, Georgetown. Received March 4, 1960.

263785. No. 79.  
263786. No. D 110.

**263787. COFFEA ARABICA L. Rubiaceae. Arabian coffee.**

From Guatemala. Seeds presented by Brother Carlos, San Martin de Los Cuchumatanes, Macaltengo. Received March 4, 1960.

Fruit ripens uniformly; grown in sun, at 6,500 to 7,000 feet elevation.

**263788 to 263790.**

From the Union of South Africa. Seeds presented by the Division of Botany, Department of Agriculture, Pretoria. Received March 4, 1960.

**263788. DIMORPHOTHECA AURANTIACA DC. Asteraceae.**  
Winter cape-marigold.

263789. DIMORPHOTHECA ECKLONIS DC.

263790. DIMORPHOTHECA PLUVIALIS (L.) Moench. Cape-marigold.

**263791 to 263801.**

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 4, 1960.



**263791 to 263801—Continued**

**263791.** *ECHEANDIA BREVIFOLIA* Wats. Liliaceae.

Col. No. 17846. 'Azucena del Monte'. Ten miles east of Matape, Sonora. Elevation 3,400 feet. Small ornamental plant.

**263792.** *EUPHORBIA* sp. Euphorbiaceae.

Col. No. 17849. Matape, Sonora. Elevation 2,200 feet. Annual with pale bracts.

**263793.** *THRYALIS GLAUCA* (Cav.) Kuntze Malpighiaceae.

Col. No. 18360. Between Tepic and Acaponeta, Nayarit. Attractive spreading shrub; flowers bright yellow, copious.

**263794.** *SALVIA MEXICANA* L. Menthaceae.

Col. No. 18370. 'Chuparosa'. Sierra Surotato, Sinaloa. Elevation 6,000 feet. Graceful shrub to six feet high; leaves dark green; flowers purple, large.

**263795.** *SIDA* sp. Malvaceae.

Col. No. 17864. Thirty miles south of Nogales, Sonora.

**263796 and 263797.** *SOLANUM AMAZONIUM* Ker. Solanaceae.

**263796.** Col. No. 17839. Ten miles east of Matape, Sonora. Elevation 3,400 feet.

**263797.** Col. No. 18396. Guaymos, Sonora. Plants to 5 by 6 feet, rank, showy, nearly spineless; flowers light purple.

**263798.** *TAGETES* sp. Asteraceae.

Col. No. 18260. Twenty-two miles southeast of Nombre de Dios, Durango. Elevation 6,500 feet. Ornamental to six feet high; flowers large showy, used as cut flowers.

**263799.** *TAGETES* sp.

Col. No. 18332.

**263800.** *TAGETES* sp.

Col. No. 18334. Twenty-four miles south of Guadalajara, Jalisco. Annual to three feet high.

**263801.** *TAGETES* sp.

Col. No. 18348. Moist swale 21 miles southeast of Tepic, Nayarit. Elevation 3,700 feet. Rank annual to 5 feet high.

**263802 to 263805.** *PYRUS COMMUNIS* L. Malaceae.

From Great Britain. Scions presented by the East Malling Research Station, near Maidstone, Kent, England. Received March 7, 1960.

**263802.** 'Doyenne du Comice'.

**263803.** 'Williams' Bon Chretien'.

**263804.** English 'Williams'.

**263805.** Swiss 'Williams'.

**263806 to 263833.** *ORYZA SATIVA* L. Poaceae.

From Surinam. Seeds presented by the Agricultural Experiment Station, Paramaribo. Received March 7, 1960.

**263806.** No. 1. 40c/929.

**263811.** No. 6. 77a.

**263807.** No. 2. 40c/1.507.

**263812.** No. 7. 77a/722b

**263808.** No. 3. Nickerie/19.

**263813.** No. 8. 81b/25.

**263809.** No. 4. 77/4/4/5/4.

**263814.** No. 9. 81b/145.

**263810.** No. 5. V.80/3/1/5/5.

**263815.** No. 10. 100/1/1/11.

## 263806 to 263833—Continued

263816. No. 11. 140/4/1/2/5.	263825. No. 20. K8C/263/1.
263817. No. 12. 140/4/1/2/10.	263826. No. 21. K8C/263/3.
263818. No. 13. 131/6/1/1.	263827. No. 22. K8C/263/12.
263819. No. 14. VD5040/2/1/1.	263828. No. 23. K8C/505/1/1.
263820. No. 15. VD 5096/73/6.	263829. No. 24. K8C/634/10.
263821. No. 16. VD 5096/73/36.	263830. No. 25. K10 B/28/1
263822. No. 17. K x /5.	263831. No. 26. K10 B/100/2.
263823. No. 18. K8C/140/16.	263832. No. 27. K12 c/48.
263824. No. 19. K8C/140/72/1.	263833. No. 28. K12 C/53.

## 263834 to 263854.

From Japan. Seeds presented by the Tokyo Branch, Yokohama Plant Protection Station, Tokyo. Received March 7, 1960.

263834. CAMELLIA JAPONICA L. Theaceae.	Common camellia.
No. 8.	
263835. CAMELLIS SASANQUA Thunb.	
No. 9.	
263836. CERCIS CHINENSIS Bunge Caesalpiniaceae.	Chinese redbud.
No. 12.	
263837. HIBISCUS SYRIACUS L. Malvaceae.	Shrub-althea.
No. 22.	
263838. ILEX CRENATA Thunb. Aquifoliaceae.	Japanese holly.
No. 2.	
263839. ILEX CRENATA f. LUTEO-VARIEGATA (Regel) Rehder	Japanese holly.
No. 4.	
263840. ILEX CRENATA f. CONVEXA (Makino) Rehder	Japanese holly.
No. 3.	
263841. ILEX INTEGRAL Thunb.	
No. 1.	
263842. ILEX SERRATA Thunb.	Finetooth holly.
No. 5.	
263843. LAGERSTROEMIA INDICA L. Lythraceae.	Common crapemyrtle.
No. 10.	
263844. LAGERSTROEMIA SUBCOSTATA Koehne.	
No. 11.	
263845. MAGNOLIA KOBUS DC. Magnoliaceae.	Kobus magnolia.
No. 7.	
263846. MAGNOLIA OBOVATA Thunb.	
No. 6.	
263847. PYRACANTHA ANGUSTIFOLIA (Franch.) C. Schneid. Malaceae.	Narrowleaf firethorn.
No. 18.	
263848. PYRACANTHA COCCINEA Roem. Malaceae.	Scarlet firethorn.
No. 19.	

## 263834 to 263854—Continued

263849. RHODODENDRON AMAGIANUM (Makino) Maxim. ex Hara Ericaceae.

No. 20.

263850. RHODODENDRON DILATATUM Miq.

No. 21.

263851. VIBURNUM BRACHYANDRUM Nakai Caprifoliaceae.

No. 17.

263852. VIBURNUM DILATATUM var. MICROPHYLLUM Nakai

Linden viburnum.

No. 14.

263853. VIBURNUM EROSUM Thunb.

No. 15.

263854. VIBURNUM WRIGHTII Miq.

Wright viburnum.

No. 16.

## 263855 to 263857.

From France. Scions presented by M. Llugany Henri, Elne. Received March 8, 1960.

263855. PRUNUS ARMENIACA L. Amygdalaceae.

Apricot.

'Extra Precoce.'

263856 and 263857. PRUNUS AVIUM L.

Sweet cherry.

263856. 'Precoce de Chine.'

263857. 'Primavera'.

## 263858 to 263860.

From Germany. Scions presented by G. D. Bohlje, Baumschulen, Westerstede. Received March 8, 1960.

263858. SALIX HASTATA var. VEGETATA Anderss. Salicaceae.

'Wehrhahnii'.

263859. SPIRAEA ARCUATA Hook. f. Rosaceae.

263860. SPIRAEA × ARGUTA Zabel.

'Compacta'.

## 263861 to 263863.

From New Zealand. Seeds presented by the Plant Introduction and Exchange Service, Department of Scientific and Industrial Research, Christchurch. Received March 8, 1960.

263861. FESTUCA MATTHEWSII (Hack.) Cheesem. Poaceae.

P-14930. Ecotype from Kirkliston Range, South Canterbury. Plants large, similar to *F. idahoensis*.

263862. FESTUCA NOVAE-ZELANDIAE (Hack.) Cockayne

P-14931. 'Tara'. From Omarama. Elevation 2,500 to 6,000 feet. Plants slow growing, not palatable.

263863. POA AUSTRALIS R. Br. Poaceae.

P-14932. 'Tarndale'. From Molesworth, Marlborough. Supposedly apomictic; ecotypes numerous throughout New Zealand and parts of Australia.



**263864. TRIPSACUM LANCEOLATUM Rupr. Poaceae.**

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Plant Industry Station, Beltsville, Md. Received March 8, 1960.

Col. No. 18029. Roadside 11 miles south of Matamoras, Chihuahua. Elevation 6,500 feet. Culms to five feet high, leafy in clumps.

**263865 to 263873.**

From Greece. Seeds presented by J. Levanes, Treacle, Virginia. Received March 9, 1960.

263865. BETA VULGARIS var. CICLA L. Chenopodiaceae.	Swiss chard.
263866. BRASSICA NIGRA (L.) Koch. Brassicaceae.	Black mustard.
263867. BRASSICA OLERACEA L.	Wild cabbage.
263868. CUCUMIS MELO L. Cucurbitaceae.	Muskmelon.
263869. LACTUCA SATIVA L. Chichoriaceae.	Lettuce.
263870. OCIMUM BASILICUM L. Menthaceae.	Basil.
263871. PISUM SATIVUM L. Fabaceae.	
263872. RAPHANUS SATIVUS L. Brassicaceae.	Radish.
263873. SPINACIA SPINOSA Moench. Chenopodiaceae.	Spinach.

**263874 to 263901. CYAMOPSIS TETRAGONOLOBA (L.) Taub. Fabaceae.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received March 9, 1960.

263874. I.C. 32. 'Delhi Local'.	263888. I.C. 3773.
263875. I.C. 33.	263889. I.C. 5490.
263876. I.C. 39.	263890. I.C. 5491.
263877. I.C. 547. Sweet, medium.	263891. I.C. 5493.
263878. I.C. 642.	263892. I.C. 5494.
263879. I.C. 739.	263893. I.C. 5495.
263880. I.C. 860.	263894. I.C. 5496.
263881. I.C. 2334. Long, smooth.	263895. I.C. 5497.
263882. I.C. 2488.	263896. I.C. 5498.
263883. I.C. 3106. Sweet, long.	263897. I.C. 5656.
263884. I.C. 3118.	263898. I.C. 40. 'Sotia Red Pod'.
263885. I.C. 3215. No. 47.	263899. I.C. 41. 'Desi'.
263886. I.C. 3268. 'Super-Season'.	263900. 'Sada Bahar'.
263887. I.C. 3289.	263901. 'Monsami'.

**263902 to 263904.**

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Plant Industry Station, Beltsville, Md. Received March 9, 1960.

**263902. EUCHLAENA MEXICANA Schrad. Poaceae. Teosinte.**

Col. No. 17973. 'Maisillo'. Nabogame, Chihuahua. Elevation 6,800 feet. Annual to seven feet high with one to three basal stems; stems reddish with some lateral branches; seeds edible.

**263903. EUCHLAENA (hybrid).**

Col. No. 17982. Nabogame, Chihuahua. Elevation 6,800 feet. Apparent hybrid along corn field; canes resemble *Tripsacum*, but nodes have one to three fused spikes or small corn ears.

## 263902 to 263904—Continued

263904. ZEA MAYS L. Poaceae.

Corn.

Col. No. 17983. Nabogame, Chihuahua. Elevation 6,800 feet. Plants with typical ears growing near spontaneous wild *Tripsacum*.

## 263905 to 263918.

From Colombia. Tubers presented by the Rockefeller Foundation, Medellin. Received March 10, 1960.

263905 to 263916. SOLANUM TUBEROSUM L. Solanaceae.

Potato.

Haploid.

263905. 60/2.1. 60. 'Tocana Blanca' (60 × 131).

263906. 196/2.1. 196. 'Curipamba' (196 × 193).

263907. 196/2.2. 196. 'Curipamba' (196 × 193).

263908. 198/2.2. 198. 'Algodona' (198 × 131).

263909. 198/2.4. 198. 'Algodona' (198 × 131).

263910. 198/2.5. 198. 'Algodona' (198 × 131).

263911. 538/2.1. 538. 'Tocana Pano Humano' (538 × 143).

263912. 551/2.1. 551. Name unknown (551 × 327).

263913. 551/2.3. 551. Name unknown (551 × 327).

263914. 818/2.2. 818. 'Jabonilla' (818 × 193).

263915. 98/2.1. 98. 'G.L.S. × 'Madison' (A reddish selection) (98 × 143).

263916. 393/2.1. 393. 'Eersterling' (393 × 131).

263917 and 263918. SOLANUM (hybrids). Solanaceae.

263917. 'Monserrate'. 50-57-67. 3. [*(S. tuberosum* × *andigena)* × *rybinii*] × 193 (haploid).  
2

263918. 55-26-4 (*S. demissum* × 'Tuquerrena') (*S. andigena* × 'Tocanna Colorada'). 2n = 48 tetraploid. Highly pigmented blue black.

## 263919 to 263921.

From Mexico. Seeds presented by the United States Embassy, Mexico City. Received March 9, 1960.

263919. PINUS AYACAHUITE Ehrenb. Pinaceae.

263920. PINUS MONTEZUMAE Lambert.

263921. PINUS PATULA Schlecht. &amp; Cham.

## 263922 to 263941. SACCHARUM (hybrids). Poaceae.

Sugarcane.

From Cuba. Cuttings presented by H. G. Sorensen, Camaguey. Received March 10, 1960.

263922. 58-5-1-8.

263929. 59-3-74-14.

263923. 58-5-6-11.

263930. 59-3-81-14.

263924. 58-6-23-6.

263931. 59-4-62-19.

263925. 59-7-12-1.

263932. 59-4-77-12.

263926. 58-39-4-11.

263933. 59-4-78-3.

263927. 58-41-2-16.

263934. 59-4-86-3.

263928. 59-3-14-10.

263935. 59-4-87-4.

## 263922 to 263941—Continued

- |                     |                     |
|---------------------|---------------------|
| 263936. 59-5-15-4.  | 263939. 59-7-37-6.  |
| 263937. 59-5-19-13. | 263940. 59-7-37-12. |
| 263938. 59-7-34-14. | 263941. 59-7-51-9.  |

263942 to 263957. *FAGOPYRUM ESCULENTUM* Moench. Poly-  
gonaceae. **Buckwheat.**

From Yugoslavia. Seeds presented by the Agricultural Institute, Slovenia, Ljubljana. Received March 10, 1960.

263942. No. 1. 'Kranj ZG. Brnik'.  
 263943. No. 2. 'Kranj Gorice 24'.  
 263944. No. 3. 'Kranj ZG. Brnik'.  
 263945. No. 4. 'Skofja Loka Gorenje Brdo 9'.  
 263946. No. 5. 'Sticna Metnaj'.  
 263947. No. 6. 'Radohova-vas Dob 7'.  
 263948. No. 7. 'Trebnje Repce 15'.  
 263949. No. 8. 'Sentlovrenc Stehanjvas'.  
 263950. No. 9. 'Dobrinc Luza 9'.  
 263951. No. 10. 'Ljubno Savinga 25'.  
 263952. No. 11. 'Sikole 21'.  
 263953. No. 12. 'Sikole 37'.  
 263954. No. 13. 'Turnisce Nedeljica 144'.  
 263955. No. 14. 'Ljubljana Stozice 13'.  
 263956. No. 15. 'Stozice 31'.  
 263957. No. 16. 'Ljubljana Klece 16'.

## 263958 to 263961.

From Canada. Seeds presented by Hogg & Lytle, Limited, Oakwood, Ontario. Received March 10, 1950.

- 263958 to 263960. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.  
 263958. 'Svalof Hermes'.  
 263959. 'Svalof Merkur'.  
 263960. 'Svalof Silo'.  
 263961. *TRIFOLIUM REPENS* L. Whiteclover.  
 'Svalof Kivi'.

263962. *HIBISCUS LUNARIFOLIUS* Willd. Malvaceae.

From the Union of South Africa. Seeds presented by B. deWinter, Pretoria. Received March 10, 1960.

- P. 4826. Wylliespoort, Transvaal.

## 263963 to 263973.

From Uganda. Seeds presented by D. G. Thomas, Kampala. Received March 10, 1960.

263963. *HIBISCUS CALYPHYLLUS* Cav. Malvaceae.

No. 1.

263964. *HIBISCUS CANNABINUS* L.

**Kenaf.**

No. 2.



## 263963 to 263973—Continued

263965. *HIBISCUS DIVERSIFOLIUS* Jacq.

Rosemallow.

No. 7.

263966. *HIBISCUS ESCULENTUS* L.

Okra.

No. 4.

263967. *HIBISCUS GOSSYPINUS* Thunb.

No. 18.

263968. *HIBISCUS LUDWIGII* Eckl. & Zeyh.

No. O.T.3.

263969. *HIBISCUS ROSTELLATUS* Guill. & Perr.

No. O.T.6

263970. *HIBISCUS* sp.

No. O.T.5.

263971. *HIBISCUS* sp.

No. 8.

263972. *HIBISCUS* sp.

No. 11.

263973. *HIBISCUS* sp.

No. 21.

## 263974 to 263990.

From the Netherlands. Plants presented by the Hortus Botanicus, Cantonspark, Baarn. Received December 15, 1959.

263974. *ADIANTUM POIRETII* Wikstr. Polypodiaceae.263975. *ANREDERA CORDIFOLIA* (Ten.) Steen. Basellaceae.263976. *BOENNINGHAUSENIA ALBIFLORA* (Hook.) Reichenb. Rutaceae.263977. *DENNSTAEDTIA OBTUSIFOLIA* (Wild.) Moore Polypodiaceae.263978. *DERMATOBOTRYS SAUNDERSII* Bolus Menthaceae.263979. *DIOSCOREA MACROURA* Harms Dioscoreaceae.

Yam.

263980. *GEITONOPLESIMUM CYMOSUM* A. Cunn. Liliaceae.263981. *GURANIA MAKAYANA* Cogn. Cucurbitaceae.263982. *MICROLEPIA SPELUNCAE* (L.) Moore Polypodiaceae.263983. *PASSIFLORA* × *COLVILLEI* Sweet Passifloraceae.263984. *PIPER ORNATUM* N.E. Mr. Piperaceae.263985. *ARUNDINARIA VIRIDI-STRIATA* (Regel) Makino Poaceae. Bamboo.263986. *POLYPODIUM NIGRESCENS* Bl. Polypodiaceae.263987. *REMUSATIA VIVIPARA* (Lodd.) Schott. Araceae.

Native to Malaya. Plant tuberous-stemmed, shoots upright; leaves scale-like; leaf axis bear tubers; tubers have terminal hook for animal dissemination.

263988. *SCIAPHYLLUM AMOENUM* Bremek. Acanthaceae.263989. *SINNINGIA PUSILLA* Baill. Gesneriaceae.263990. *TRICHANTHA MINOR* Hook. f. Gesneriaceae.

## 263991 to 264042.

From Great Britain. Plants presented by George Jackman & Sons, Woking, Surrey, England. Received December 17, 1959.

## 263991 to 264042—Continued

- 263991 and 263992. CLEMATIS ALPINA (L.) Mill. Ranunculaceae.  
 263991. 'Blue Bell'.  
 263992. 'Columbine'.  
 263993. CLEMATIS ALPINA var. SIBIRICA (L.) Kuntze  
 'Ruby'.  
 263994. CLEMATIS ARMANDI Franch. Armand clematis.  
 'Snowdrift'.  
 263995. CLEMATIS CALYCINA (Soland.) Ait.  
 263996. CLEMATIS CHRYSOCOMA Franch.  
 263997. CLEMATIS CHRYSOCOMA var. SERICEA (Franch.) C. Schneid.  
 263998. CLEMATIS FARGESII Franch.  
 263999. CLEMATIS FLAMMULA L. Plume clematis.  
 264000. CLEMATIS FLORIDA f. SIEBOLDII (D. Don) Rehder  
 264001 to 264004. CLEMATIS HERACLEIFOLIA DC. Tube clematis.  
 264001. 'Campanile'. 264003. 'Deep Blue'.  
 264002. 'Davidiana'. 264004. 'Ichangseise'.  
 264005 to 264007. CLEMATIS MACROPETALA Ledeb.  
 264005. 'Lagoon'.  
 264006. 'Maidwell Hall'.  
 264007. 'Markhanis Pink'.  
 264008 to 264011. CLEMATIS MONTANA Buch.-Ham. Anemone clematis.  
 264008. 'Elizabeth'. 264010. 'Pink Perfection'.  
 264009. 'Grandiflora'. 264011. 'Wilsonii'.  
 264012. CLEMATIS ORIENTALIS L. Oriental clematis.  
 264013. CLEMATIS RECTA L. Ground clematis.  
 'Rubens'.  
 264014. CLEMATIS TANGUTICA (Maxim.) Korsh. Golden clematis.  
 'Gravetye'.  
 264015. CLEMATIS VITALBA L. Travelers-joy.  
 264016. CLEMATIS VITICELLA L. Italian clematis.  
 264017 to 264042. CLEMATIS (hybrids).  
 264017. 'Abundance'. 264030. 'Margot Koster'.  
 264018. 'Barbara Dibley'. 264031. 'Minuet'.  
 264019. 'Beauty of Richmond'. 264032. 'Mrs. Byatt'.  
 264020. 'Belle Nantaise'. 264033. 'Mr. George Jackman'.  
 264021. 'Countess of Onslow'. 264034. 'Mrs. Hope'.  
 264022. 'Daniel Deronda'. 264035. 'Perle d'Azure'.  
 264023. 'Durandi'. 264036. 'Proteus'.  
 264024. 'Etoile Violette'. 264037. 'Royal Velours'.  
 264025. 'Gravetye Beauty'. 264038. 'Sealand Gem'.  
 264026. 'Highdown'. 264039. 'Sensation'.  
 264027. 'Jouiniana'. 264040. 'Star of India'.  
 264028. 'Kermes' (Kermesina). 264041. 'Venosa Violacea'.  
 264029. 'Little Nell'. 264042. 'Victoria'.

**264043 to 264046. CLEMATIS (hybrids). Ranunculaceae.**

From France. Plants presented by Andre Girault, Orleans. Received March 14, 1960.

264043. 'Bagatelle'. 264045. 'Mme Van Houtte'.

264044. 'Colette Deville'. 264046. 'Modesta'.

**264047 to 264107. SACCHARUM (hybrids). Poaceae. Sugarcane.**

From Cuba. Cuttings presented by the United Fruit Company, Preston, Oriente Province. Received March 14, 1960.

264047. P.B. 52-1-5. 264078. U.C.W. 54-9.

264048. P.B. 52-1-4. 264079. U.C.W. 54-15.

264049. P.B. 52-1-6. 264080. U.C.W. 54-19.

264050. P.B. 52-1-1. 264081. U.C.W. 54-27.

264051. P. 57-23-2. 264082. U.C.W. 54-29.

264052. P. 57-26-4. 264083. U.C.W. 54-33.

264053. P. 57-45-2. 264084. U.C.W. 54-34.

264054. P. 57-45-3. 264085. U.C.W. 54-36.

264055. P. 57-45-5. 264086. U.C.W. 54-38.

264056. P. 57-45-12. 264087. U.C.W. 54-40.

264057. P. 57-45-13. 264088. U.C.W. 54-48.

264058. P. 57-150-4. 264089. U.C.W. 54-51.

264059. P. 57-150-8. 264090. U.C.W. 54-57.

264060. J. 54-89. 264091. U.C.W. 54-63.

264061. U.C.W. 53-29. 264092. U.C.W. 54-64.

264062. U.C.W. 53-49. 264093. U.C.W. 54-65.

264063. U.C.W. 53-52. 264094. U.C.W. 54-67.

264064. U.C.W. 53-54. 264095. U.C.W. 54-69.

264065. U.C.W. 53-56. 264096. U.C.W. 54-72.

264066. U.C.W. 53-59. 264097. U.C.W. 54-85.

264067. U.C.W. 53-62. 264098. U.C.W. 55-5.

264068. U.C.W. 53-69. 264099. U.C.W. 55-7.

264069. U.C.W. 53-83. 264100. U.C.W. 55-12.

264070. U.C.W. 53-97. 264101. U.C.W. 55-14.

264071. U.C.W. 53-108. 264102. U.C.W. 55-25.

264072. U.C.W. 53-120. 264103. U.C.W. 55-31.

264073. U.C.W. 53-135. 264104. U.C.W. 55-33.

264074. U.C.W. 53-146. 264105. U.C.W. 55-36.

264075. U.C.W. 53-161. 264106. U.C.W. 55-47.

264076. U.C.W. 53-178. 264107. U.C.W. 55-53.

264077. U.C.W. 53-186.

**264108 to 264113.**

From Japan. Plant material presented by the University of Tokyo, Bankyo-Ku, Tokyo. Received March 14, 1960.

Bulbs unless otherwise noted.

264108. *ALLIUM FISTULOSUM* L. Liliaceae.

Welsh onion.



**264108 to 264113—Continued**

264109. *ALLIUM NIPPONICUM* Franch. & Sav.

264110. *ALLIUM SCHOENOPRASUM* L.

Chive.

264111. *ALLIUM SCORODOPRASUM* var. *VIVIPARUM* Regel

264112 and 264113. *ALLIUM ODORUM* L.

Seeds.

264112. Plants small.

264113. Plants large.

**264114 to 264117.**

From Argentina. Tubers collected by D. S. Correll, collaborator, Crops Research, Plant Industry Station, Beltsville, Md. Received March 15, 1960.

264114. *SOLANUM ACAULE* Bitter Solanaceae.

Col. No. A-667. Ranch, Iturbe, Jujuy Prov.

264115. *SOLANUM FAMATINAE* Bitt. & Wittm.

Col. No. A-701. Tucuman to Cafayete.

264116. *SOLANUM INFUNDIBULIFORME* Phil.

Col. No. A-660. Four miles south of Tres Cruces, Jujuy Prov.

264117. *SOLANUM MEGISTACROLOBUM* Bitter

**264118 to 264130.**

From Argentina. Tubers collected by D. S. Correll, collaborator, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 15, 1960.

264118. *SOLANUM BERTHAULTII* Hawkes Solanaceae.

Col. No. B-606. Near Cochabamba.

264119. *SOLANUM BOLIVIENSE* Dunal

Col. No. B-633. Eighty km. from Potosi, Potosi-Sucre road.

264120. *SOLANUM GOURLAYI* Hawkes

Col. No. B-632. Eighty-seven km. from Potosi, Potosi-Sucre road.

264121. *SOLANUM MEGISTACROLOBUM* Bitter

Col. No. B-602. North of Eucalyptus, Dept. of Oruro.

264122. *SOLANUM SUCRENSE* Hawkes

Col. No. B-624. Thirty-three km. from Sucre, Sucre-Potosi road.

264123 to 264130. *SOLANUM* sp.

264123. Col. No. B-612. Five km. above Quillacollo, Dept. of Cochabamba.

264124. Col. No. B-635. Finca Cayara, 20 km. northwest of Potosi.

264125. Col. No. B-639. Thirty-five km. from Potosi, Dept. of Potosi.

264126. Col. No. B-641. Culpina, Dept. of Chuquisaca.

264127. Col. No. B-645. Fifty-four km. from Villa Abecia, road to Las Carrera.

264128. Col. No. B-655. Iscayachi, Dept. of Tarija. Plants cultivated, frost resistant.

264129. Col. No. B-656. Near Toja, Dept. of Tarija.

264130. Col. No. B-657. Morallas, Dept. of Potosi.

**264131 to 264133. VITIS VINIFERA L. Vitaceae.****European grape.**

From Yugoslavia. Cuttings presented by the United States Operations Mission, Belgrade. Received March 15, 1940.

**264131.** 'Caus'. Plants vigorous, productive; clusters loose; berries large, firm, good quality, white, ripening with 'Muskat Hamburg'. Female flowers.

**264132.** 'Caus'  $\times$  'Pearl of Csaba'. Perfect flowered seedling selection resembling 'Caus'. Clusters good, ripening before 'Caus'.

**264133.** 'Pred Primus'. Berries small, green, soft. A new Italian variety ripening a week before 'Pearl of Csaba'.

**264134 and 264135.**

From Cuba. Cuttings presented by the Atkins Garden and Research Laboratory, Cienfuegos. Received March 16, 1960.

**264134.** HIBISCUS SCHIZOPETALUS Hook f. Malvaceae. **Fringed hibiscus.**

**264135.** MALVA VISCUS ARBOREUS Cav. Malvaceae.

**264136. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From Germany. Seeds presented by the Botanischer Garten und Museum, Berlin-Dahlem. Received March 16, 1960.

**264137. CHAMAELAUCIUM UNCINATUM Schauer. Myrtaceae.**

From Australia. Seeds presented by H. Lyne, Northam. Received March 16, 1960.

No. 27. 'Geraldton Wax'. Evergreen shrub; flowers about four months in a year. Good hedge plant.

**264138. CICHORIUM INTYBUS L. Cichoriaceae. Chicory.**

From Belgium. Seeds collected by E. Davis, agricultural explorer, Plant Industry Station, Beltsville, Md. Received March 16, 1960.

Col. No. D-260. 'Witloof'. Plants Fruitiers Station, Gembloux. A mixed population of varying foliage types. Used for forcing.

**264139. BRASSICA NAPUS L. Brassicaceae. Rape.**

From Canada. Seeds presented by Hogg & Lytle, Limited, Oakwood, Ontario. Received March 16, 1960.

No. 0266. 'Duro'. From Swedish Seed Association, Svalof, Sweden.

**264140. ALLIUM CEPA L. Liliaceae. Onion.**

From Iran. Seeds presented by the United States Embassy, Tehran. Received March 16, 1960.

**264141. CHENOPODIUM VULVARIA L. Chenopodiaceae.**

From France. Seeds presented by the Service des Plantations, Rennes. Received March 16, 1960.

**264142 and 264143. PHASEOLUS VULGARIS L. Fabaceae.****Common bean.**

From Germany. Seeds presented by Mr. Van Waveren, Hannover. Received March 16, 1960.

**264142.** 'Favorite'. Dwarf bush bean.

**264143.** 'Meteor'. Dwarf bush bean.

**264144 to 264146.**

From Mexico. Seeds presented by Syntex, Society Anonymous, Mexico City. Received March 16, 1960.

**264144 to 264146—Continued**

**264144 and 264145.** *DIOSCOREA FLORIBUNDA* Mart. & Gal. Dioscoreaceae. **Yam.**

**264144.** From Finca el Balsamo, Texcuaco, Guatemala.

**264145.** From La Gomera, Guatemala.

**264146.** *DIOSCOREA SPICULIFLORA* Hemsl. **Yam.**

Colonia Grijalva, Chiapa de Corso, Chiapas.

**264147 to 264153.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received March 16, 1960.

**264147.** *AELUROPUS LITTORALIS* (Gouan) Parl. Poaceae.

Turkmenian Botanical Garden.

**264148.** *BETA PATELLARIS* Moq. Chenopodiaceae.

From Germany.

**264149.** *BETA TRIGYNA* Waldst. & Kit.

Armenia.

**264150 to 264152.** *BETA VULGARIS* L. **Beet.**

**264150.** Eastern spinach. From India.

**264151.** Wild. From Algeria.

**264152.** Wild northern. From Ireland.

**264153.** *BETA TRIGYNA* Waldst & Kitabel

From Armenia.

**264154 and 264155. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From the Philippines. Seeds presented by the Department of Agriculture and Natural Resources, Manila. Received March 16, 1960.

**264154.** 'Tirik'. Los Banos, Laguna, Luzon. Plants bunchy; leaves light green; pods mature in 104 to 114 days; 2 seeds per pod. Yield estimate 1,460 kg./hectare.

**264155.** 'Native White'. Los Banos, Laguna, Luzon. Plants bunchy; leaves light green; pods mature 104 to 114 days; seeds 2 to 3 per pod. Yield estimate 1,270 kg./hectare.

**264156 to 264191. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received March 16, 1960.

**264156.** CPI No. 17406. 'Abu-Arbaa'.

**264157.** CPI No. 17429. 'American'.

**264158.** CPI No. 17408. 'Ashford'.

**264159.** CPI No. 17950. A.9.

**264160.** CPI No. 17954. A.3310.

**264161.** CPI No. 13962. 'Bombay No. 1'.

**264162.** CPI No. 13969. 'De M'Bambey 236'.

**264163.** CPI No. 17955. E/2.

**264164.** CPI No. 17956. E/14.

**264165.** CPI No. 17958. E/63.

**264166.** CPI No. 13967. 'Jumbo No. 9'.



**264156 to 264191—Continued**

- 264167. CPI No. 17407. 'Kande'.
- 264168. CPI No. 13966. 'Lamana No. 7'.
- 264169. CPI No. 18088. 'Leopowel Ponsk'.
- 264170. CPI No. 17421. M.H. 382.
- 264171. CPI No. 17422. M.J. 374.
- 264172. CPI No. 17175. M.K. 383.
- 264173. CPI No. 17428. N.A. 2/40.
- 264174. CPI No. 17959. P. 16.
- 264175. CPI No. 17960. P. 43.
- 264176. CPI No. 17961. P. 50.
- 264177. CPI No. 17962. P. 54.
- 264178. CPI No. 17426. 'Red Spanish Bunch'.
- 264179. CPI No. 13964. 'Russie No. 4'.
- 264180. CPI No. 17409. 'Small White Spanish'.
- 264181. CPI No. 17414. 'Spanish ECR/647'.
- 264182. CPI No. 17424. 'Spanish ECR/672'.
- 264183. CPI No. 13777. TMV. 2.
- 264184. CPI No. 17169. 'Toro'.
- 264185. CPI No. 17411. 'Vagna Vagna'.
- 264186. CPI No. 13963. 'Valence No. 2'.
- 264187. CPI No. 18092. 'Variedae 3'.
- 264188. CPI No. 18090. 'Variedae 4'.
- 264189. CPI No. 18091. 'Variedae 9'.
- 264190. CPI No. 18085. 'Variedae 50'.
- 264191. CPI No. 18087. 'Variedae 72'.

**264192 to 264197. PYRUS COMMUNIS L. Malaceae.**

From the Netherlands. Budsticks presented by the Institut von de Veredel-  
ing van Tuinbouwgewassen, Wageningen. Received March 16, 1960.

- 264192. 'Bre Dilly'.
- 264193. 'Bre Henri Courcelles'.
- 264194. 'Gieser Wildeman 105, 130'.
- 264195. 'Lange Graticol 96. 97'.
- 264196. 'Mathilde Recq. 68'.
- 264197. 'President Osmonville 40'.

**264198 and 264199.**

From Great Britain. Plants presented by the Richmond Nurseries, Windle-  
sham, Surrey, England. Received March 16, 1960.

- 264198. MAGNOLIA MOLLIOMATA W.W.Sm. Magnoliaceae.
- 264199. MAGNOLIA WILSONII (Finet & Gagn.) Rehder     **Wilson magnolia.**

**264200 to 264205.**

From Morocco. Seeds presented by the Service de la Recherche Agronomi-  
que, Rabat. Received March 17, 1960.

## 264200 to 264205—Continued

- 264200 to 264201. *AVENA SATIVA* L. Poaceae. Common oats.  
 264200. 'Avoine No. 320'. 'Palestine 1005'.  
 264201. 'Avoine No. 153'. 'Tutrice'.  
 264202 to 264205. *HORDEUM VULGARE* L. Poaceae. Barley.  
 264202. 'Orge No. 289'. 'Esperance'.  
 264203. 'Orge No. 71'. 'Rabat'.  
 264204. 'Orge No. 89'. 'Tripoli'.  
 264205. 'Orge No. 628'. 'Sarlis'.

## 264206 to 264210.

From Libya. Seeds presented by the Foreign Operations Administration Mission, Tripolitania. Received March 17, 1960.

- 264206 and 264207. *AVENA SATIVA* L. Poaceae. Common oats.  
 264206. 'Nemaha'.  
 264207. 'Palestine'.  
 264208 to 264210. *HORDEUM VULGARE* L. Poaceae. Barley.  
 264208. 'California Mariout'.  
 264209. 'Local Selection 96'.  
 264210. 'Wade Majanin'.

## 264211 to 264216.

From Algeria. Seeds presented by the Agricultural Experiment Station, Maison-Carree, Alger. Received March 17, 1960.

- 264211 and 264212. *AVENA SATIVA* L. Poaceae. Common oats.  
 264211. 'Avoine Noire 912'.  
 264212. 'Avoine Rouge d'Vulgerie No. 31'.  
 264213 to 264216. *HORDEUM VULGARE* L. Poaceae. Barley.  
 264213. 'Orge Saida 183'.  
 264214. 'Orge Martin 839'.  
 264215. 'Orge Tichidrett 3265'.  
 264216. 'Orge Tichidrett 3270'.

264217. *CUCUMIS MYRIOCARPUS* Naud. Cucurbitaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received March 18, 1960.

No. V 160. From Irrigation Station, Merbein, Victoria. Scabrous annual; petioles long; leaves palmate, odd-lobed to seven lobes, the middle lobe being largest; peduncles fascicled, much shorter than the hispid petiole; flowers small; fruit numerous, round, to one inch in diameter, sparingly to densely bristled. Reportedly poisonous to livestock.

## 264218 to 264220.

From Turkey. Seeds presented by an anonymous donor, Eskisehir. Received March 18, 1960.

- 264218 and 264219. *HORDEUM BULBOSUM* L. Poaceae. Barley.  
 264218. No. 2-59. From Nicosia, Cyprus.  
 264219. No. 2-130. Eskisehir.  
 264220. *HORDEUM SPONTANEUM* C. Koch.  
 No. A-7. Eskisehir.

## 264221 to 264223.

From Japan. Seeds presented by the Aritaki Arboretum, Koshigaya-Machi, Saitama-Ken. Received March 18, 1960.

264221. *ILICium RELIGIOSUM* Sieb. & Zucc. Magnoliaceae.

264222. *LAGERSTROEMIA SUBCOSTA* var. *HIRTELLA* Koehne Lythraceae.

264223. *TUMION NUCIFERUM* (L.) Greene Taxaceae.

## 264224 to 264241.

From France. Seeds presented by L. Clause, Bretigny-sur-Orge. Received March 18, 1960.

262224 and 264225. *ALLIUM CEPA* L. Liliaceae. Onion.

264224. No. 14782. 'Vaugirard'. Cold resistant.

264225. No. 11657. 'Malakoff'. Cold resistant.

264226 to 264231. *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.

264226. No. 14016. 'Vorgebirg'. Plant hairy; fruit spineless.

264227. No. 1321. 'Delicatess'. Plant hairy; fruit spineless.

264228. No. 27479. 'Vert Long de Chine'. Fruit long.

264229. No. 80348. 'Gloire de Paris'. Fruit dark green.

264230. No. 1732. 'Vert Long Allemand'. Fruit dark green.

264231. No. 80669. 'Spiers'. Fruit dark green.

264232 to 264238. *DAUCUS CAROTA* L. Apiaceae. Carrot.

264232. No. 5006. 'Chantenay Red Cored'.

264233. No. 7613. 'Claudia'. (Earliest 'Nantes').

264234. No. 68258. 'Flakkee'.

264235. No. 12229. 'Horn Red Apple'. Forcing.

264236. No. 27358. 'Nantes Improved A 17'.

264237. No. 14031. 'Vertou'.

264238. No. 22861. 'Giant Chantenay'.

264239. *PHASEOLUS LUNATUS* L. Fabaceae. Lima bean.  
Wild type; resistant to anthracnose.

264240 and 264241. *PHASEOLUS VULGARIS* L. Common bean.

264240. 'Flageolet Vert'. Seeds green.

264241. No. 63623. 'Violet a Rames'. Leaves red.

264242. *ORYZA SATIVA* L. Poaceae.

From Panama. Seeds presented by M. Luis, Romero, Central Agricola, David.

'Chin Chin'.

264243. *ORYZA SATIVA* L. Poaceae.

From Japan. Seeds presented by C. W. Tuttle, Colusa, California. Received March 18, 1960.

## 264244 to 264250.

From the United Arab Republic (Egypt). Seeds presented by the Orman Botanic Garden, Giza. Received March 18, 1960.

264244. *GYMNOCLADUS DIOICA* L. Koch Caesalpiniaceae.

Kentucky coffeetree.

264245. *MAGNOLIA MACROPHYLLA* Michx. Magnoliaceae.



## 264244 to 264250—Continued

264246. *MAGNOLIA VIRGINIANA* L. Sweetbay.  
 264247. *NYSSA SYLVATICA* Marsh. Cornaceae.  
 264248. *PRUNUS SEROTINA* Ehrh. Amygdalaceae. Black cherry.  
 264249. *SEQUOIA GIGANTEA* (Lindl.) Dene. Pinaceae.  
 264250. *UMBELLULARIA CALIFORNICA* (Hook. & Arn.) Nuttall Lauraceae.  
 California-laurel.

## 264251 to 264256.

From Turkey. Seeds presented by the Institute for Agricultural Research, Ankara. Received March 18, 1960.

264251. *HORDEUM VULGARE* L. Poaceae. Barley.  
 'Tokak'.

- 264252 and 264253. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

264252. No. 220/39. 'Delfi'. From central Anatolia. Early spring variety resistant to drought and moderately resistant to cold, *Puccinia glumarum* and smut.

264253. 'Milturm'. Early spring variety resistant to cold, drought and lodging. Resistant to *Puccinia glumarum* but susceptible to smut.

264254. *TRITICUM COMPACTUM* Host.

No. 111/33. 'Pseudo-rubriceps'. Central Anatolia. Early spring variety resistant to cold and drought. Yields satisfactory on light soil. Susceptible to *Puccinia glumarum*, *P. graminis* and smut.

264255. *TRITICUM DURUM* Desf.

No. 073/44. 'Akbasak'. 'Leucurm'. Central Anatolia. Early spring variety resistant to drought and moderately resistant to cold, *Puccinia glumarum* and smut.

264256. *TRITICUM HORDEIFORME* Host

No. 414/44. Central Anatolia. Early spring variety resistant to cold and drought, and moderately resistant to *Puccinia glumarum* and smut.

## 264257 to 264280.

From Sweden. Seeds presented by the Sveriges Utsadesforening, Svalof. Received March 21, 1960.

Spring type.

- 264257 to 264268. *AVENA SATIVA* L. Poaceae. Common oats.

264257. 'Eagle'. 'Seger' × 'v. Lochows Gelbh'. Late, frit-fly (*Oscinella frit*) resistant. Bred for southern Sweden.

264258. 'Blenda'. A component of 'Sol II'. Extremely high-quality, bred for southern and central Sweden.

264259. 'Nip'. ('Guidregn I' × 'Orlon II') × 'Orlon II'. Very early. Bred for northern Sweden.

264260. 'Lightning'. 'Solv' × 'Orn'. Bred for the western part of central Sweden.

264261. 'Golden Rain II'. 'Seger' × 'Guldregn I'. Widely adapted. Bred for central Sweden.

264262. 'Orion III'. 'Guldregn I' × 'Orion II'. Very early variety; medium quality. Bred for northern Sweden.

264263. 'Victory II'. 'Seger' × line of 'Jamtland'. Bred for heavy soil in central Sweden.

264264. 'Star'. 'Seger' × 'Kron'. High quality. Bred for southern and central Sweden.

**264257 to 264268—Continued****264257 to 264268—Continued**

264265. 'Sun II'. 'Stjarn' × 'Orn'. Southern and central Sweden.

264266. 'Extra-Klock II'. 'Stor-mogul' × 'Extra-Klock I'. Medium quality. Bred for eastern part of central Sweden.

264267. 'Orion II' × line of 'Norrbotten'. Medium quality; extremely early variety. Bred for northernmost Sweden.

264268. 'Great Mogul II'. 'Klock II' × 'Stormogul I'. Bred for the eastern part of central Sweden.

264269 to 264280. *TRITICUM AESTIVUM* L. Poaceae. Common wheat. Winter type.

264269. 'Diana'. 'Sol II' × 'Svea II'. Early variety, plants hardy; straw stiff. Bred for west central Sweden.

264270. 'Skandi III B'. A component of 'Skandia I'. Late variety; medium quality. Bred for southern Sweden.

264271. 'Hansa'. 'Sol II' × 'Standard'. Late variety; drought reliable. Bred for southeastern Sweden.

264272. 'Odin'. 'Ergo I' × 'Gluten'. Plants hardy; medium quality; straw stiff. Bred for central Sweden.

264273. 'Svale'. 'Eroica' × 'Skandia II'. Late variety; medium quality; straw stiff. Bred for southern Sweden.

Spring type.

264274. 'Rival'. A component of 'Diamant II'. High quality. Bred for central Sweden.

264275. 'Norrøna'. 'Fram II' × 'Sopu'. Very early variety. Bred in Norway for northern Scandinavia.

264276. 'Drott'. 'Fylgia I' × ('Extra-Kolben' × 'Rubin'). Bred for central Sweden.

264277. 'Sapphire'. 'E.-Kolben' × 'Braun', 'Schianstedt' × ('Sv. Kolben' × 'Braun Schianstedt'). Bred for southern Sweden.

264278. 'Fylgia II'. 'Extra-Kolben II' × 'Aurore'. Drought tolerant. For southeastern Sweden.

264279. 'Diamond II'. 'Diamant I' × 'Extra-Kolben'. High quality. Bred for central Sweden.

264280. 'Progress'. 'E.-Kolben' × ('Svaiof' × 'Kolben' × 'Br. Schlanstedt'). Late variety. Bred for southern Sweden.

**264281. CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.**

From the United States. Seeds presented by the University of Florida, Gainesville, Florida. Received March 21, 1960.

No. P. 11. Resistant to tobacco etch, tomato mosaic and potato virus Y.

**264282 to 264309.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received March 21, 1960.

264282 and 264283. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.

264282. CPI No. 14676. From Portugal.

264283. CPI No. 15211. From Spain.

264284 and 264285. *DACTYLIS GLOMERATA* var. *HISPANICA* (Roth) Duby

264284. CPI No. 6834. From Algeria.

264285. CPI No. 19751. From Italy.

## 264282 to 264309—Continued

264286. *EHRHARTA CALYCINA* J. E. Smith Poaceae. Perennial veldtgrass.  
A polycross.
264287. *LOLIUM GAUDINII* Parl. Poaceae.  
CPI No. 15575. From Israel.
- 264288 and 264289. *LOLIUM LOLIACEUM* (Bory & Chaub.) Hand.-Mazz.  
Ryegrass.
264288. CPI No. 14816. From Israel.
264289. CPI No. 14816-4. From Israel.
264290. *LOLIUM MULTIFLORUM* Lam. Italian ryegrass.  
CPI No. 10438. From Bot. Gdn. Coimbra, Portugal.
- 264291 to 264309. *LOLIUM RIGIDUM* Gaud. Wimmera ryegrass.
264291. CPI No. 14685. From Morocco.
264292. CPI No. 14817-2. From Israel.
264293. CPI No. 14819. From Israel.
264294. CPI No. 19071. From Algeria.
264295. CPI No. 19082. From Morocco.
264296. CPI No. 19085. From Morocco.
264297. CPI No. 19103. From Portugal.
264298. CPI No. 19112. From Portugal.
264299. CPI No. 19114. From Portugal.
264300. CPI No. 19115. From Portugal.
264301. N 139. Dept. of Agric., Sydney.
264302. W 208. Muresk, Australia.
264303. A 870. Dept. of Agric., Sydney.
264304. A 872. Dept. of Agric., Sydney.
264305. A 877. Dept. of Agric., Sydney.
264306. N 140. Dept. of Agric., Sydney.
264307. V 12. Pasture Res. Sta., Burnley Gdns., Victoria.
264308. V 13. Pasture Res. Sta., Burnley Gdns., Victoria.
264309. V 14. Pasture Res. Sta., Burnley Gdns., Victoria.

## 264310 to 264336.

From Spain. Seeds presented by the National Institute for the Production of Select Seeds, Madrid. Received March 23, 1960.

- 264310 to 264329. *ALLIUM CEPA* L. Liliaceae. Onion.
264310. 'Sangre de Buey'. Grown in northeastern Spain. Bulb depressed, globose, purple. Early variety, good keeper.
264311. 'Viguetana'. From Vich 60 to 70 km. north of Barcelona. Bulb pyriform, red, sweet.
264312. 'Colorada de Conservar'. From France. Bulb subglobose, pale red. Stores well.
264313. 'Blanca del Pais'. Grown in northern Spain. Bulb napiform, white, with greenish-yellow collar; interior white. Planted August-September, harvested July. Stores well.
264314. 'Campeny'. Grown in Barcelona Prov. Bulb flattened, napiforme, purplish, 7 to 10 cms. by 3 to 5 cms.; seeds planted August-September, harvested April-May, or planted December-January, harvested November. Poor keeper.



**264310 to 264336—Continued****264310 to 264329—Continued**

264315. 'Blanca Achatada'.

264316. 'Colorado de Conservar'. From Cataluna. Bulb napiforme, 7 to 9 cm. by 5 to 6 cm.; hard, pale purple with copper tones; interior pale violet. Planted August-September, harvested July-August. Stores well.

264317. 'Babosa'. Bulb obconoid, 7 to 8 cm. wide by 6 to 7 cm. deep; golden yellow; interior yellowish or greenish-white. Planted August-September, harvested June-July. Bulbs soft, poor keeper.

264318. 'Roja Murciana de Exportacion'. Bulb globose, dark purple. Late variety, good keeper.

264319. 'Amarilla Bermuda'. Bulb depressed globe, yellow with white interior, sweet. Early, short day variety.

264320. 'Grano'. Bulb globose, 7 to 9 cm. diameter and height; hard, straw-yellow with copper tones; interior white. Late variety, good keeper.

264321. 'Blanca Temprana Francesa'. Bulb depressed globe, 7 to 9 cm. diameter by 4 to 5 cm. high; skin silvery-white; interior white. Seeds planted August-September, harvested May-June, or earlier for green onions. Poor keeper. Used for pickling.

264322. 'Blanca Grande'. Bulb globose, 8 to 9 cm. diameter by 7 to 8 cm. high; white. Seeds planted August-September, harvested August. Poor keeper.

264323. 'Blanca Temprana'. Early white variety.

264324. 'Amarilla Achatada'. Bulb subglobose, 8 to 10 cm. diameter, 5 to 6 cm. high; straw-yellow outside, white inside, soft. Planted August-September, harvested July. Poor keeper.

264325. 'Colorado de Amposta'. Bulb globose, hard, red outside, light purple inside. Harvested September-October. Good keeper.

264326. 'Blanca Achatada'.

264327. 'Amarilla Murciana de Exportacion'.

264328. 'Encarnada de Navarra'.

264329. 'Amarilla de Paisv'.

264330. *BORAGO OFFICINALIS* L. Boraginaceae.

**Borage.**

'Borraja Carriente'. From Zaragoza. Leaves cooked, seasoned and eaten or mixed with other vegetables.

264331. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. **Cauliflower.**

'Tardia Marzo'. Cold resistant to  $-20^{\circ}$  C.

264332 and 264333. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**

264332. 'Morro de Vaca'. Fruits large.

264333. 'Murrón de Conserva'. Early variety. Fruits short; flesh thick.

264334 and 264335. *LACTUCA SATIVA* L. Cichoriaceae. **Lettuce.**

264334. 'Tres Ojos'. Summer variety resistant to bolting.

264335. 'Col de Napoles'. Summer variety resistant to bolting.

264336. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

'Rochapea'. Plant dwarf; fruit dark, firm, matures early.

**264337 to 264339.**

From Sweden. Plants presented by the Balsgard Fruit Breeding Institute, Fjalkestad. Received March 22, 1960.

**264337 to 264339—Continued**

264337. *RUBUS HENRYI* Hemsl. & Kuntze Rosaceae.

From Agric. Univ. of Copenhagen, Denmark.

264338 and 264339. *RUBUS IDAEUS* L.

264338. 'Hailsham'. Tetraploid, from Max Planck Institute, Colonge, Germany.

264339. 'Hailsham'. Triploid, from East Malling Station, England. Plant vigorous.

**264340 to 264342. *VITIS VINIFERA* L. Vitaceae.**

**European grape.**

From Yugoslavia. Cuttings presented by the United States Operations Mission, Belgrade. Received March 23, 1960.

264340. 'Ama Marija'.

264341. 'Madeline Amgeoime'.

264342. 'Madeline Celline'. From Italy via Germany. Fruit similar to 'Pred Primus'.

**264343. *ZOYSIA MATRELLA* (L.) Merr. Poaceae.**

From China. Stolons presented by Yuan-ping Hung, Pingtung, Taiwan. Received December 1957. Numbered March 1960.

**264344 and 264345. *GLYCINE MAX* (L.) Merr. Fabaceae.**

**Soybean.**

From India. Seeds presented by the Iowa State University, Ames, Iowa. Received March 23, 1960.

264344. Seeds red. From New Delhi.

264345. Seeds yellow. From New Delhi.

**264346 to 264348.**

From the Netherlands. Plants presented by the Homestead Nurseries, Boskoop. Received March 23, 1960.

264346. *CLEMATIS MONTANA* Buch.-Ham. Ranunculaceae.

**Anemone  
clematis.**

'Lilacina Floribunda'.

264347. *CLEMATIS* (hybrid).

264348. *CLEMATIS* (hybrid).

'Sieboldi'.

**264349 to 264352.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Breeding, Leningrad. Received March 23, 1960.

264349. *BETA LOMATOGONA* Fisch. & Mey. Chenopodiaceae.

Azerbaijan, Zuvand, near Iran. Elevation 4,900 feet.

264350. *BETA MACRORHIZA* Stev.

Cubinski District, Caucasus. Elevation 6,400 feet.

264351. *BETA TRIGYNA* Waldst. & Kit.

Criiee. Elevation 2,000 feet.

264352. *BETA* sp.

Transcaucasia, Armenia. Elevation 2,600 feet.

**264353 to 264357. VITIS VINIFERA L. Vitaceae.****European grape.**

From Iran. Cuttings collected and presented by O. C. Kirk, University of Utah, Howell Field Station, North Ogden. Received from Adjaptshar, Azerbaijan, March 25, 1960.

**264353.** 'Fakhri'. **264356.** 'Gezel Uzum'.

**264354.** 'Galline Barmagi'. **264357.** 'Sahebi'.

**264355.** 'Gayss Angor'.

**264358 to 264388.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Breeding, Leningrad. Received March 25, 1960.

**264358.** AELUROPUS LITTORALIS (Gouan) Parl. Poaceae.

**264359.** AELUROPUS REPENS (Desf.) Parl.

**264360 to 264372.** JUGLANS REGIA L. Juglandaceae. **Persian walnut.**

**264360 to 264369.** From the Majkop Experiment Station.

**264360.** 'Detskij'. Average nut weight 9.5 grams; kernel output 52.1 percent; oil content 66.4 percent; protein content 21.6 percent. Tree survives  $-33^{\circ}$  C.

**264361.** 'Dzigit'. Average nut weight 15 grams; kernel output 45 percent; oil content 66.7 percent. Tree survives  $-33^{\circ}$  C.

**264362.** 'Kolobk'. Average nut weight 10.6 grams; kernel output 50 percent; oil content 65 percent. Tree survives  $-33^{\circ}$  C.

**264363.** 'Kubanskij'. Average nut weight 11.5 grams; kernel output 50.4 percent; oil content 72.2 percent; protein content 18.7 percent. Tree survives  $-33^{\circ}$  C.

**264364.** 'Jelocnyj Velikan'. Average nut weight 23 to 32 grams; kernel output 43 percent; tree winter hardy.

**264365.** 'Maljutka'. Average nut weight 8 grams; kernel output 54.4 percent; oil content 73.8 percent; protein content 16.5 percent. Tree survives  $-33^{\circ}$  C.

**264366.** 'Majkopskij'. Average nut weight 15 grams; kernel output 50 percent; oil content 70.2 percent; protein content 18.4 percent. Tree survives  $-33^{\circ}$  C.

**264367.** 'Pioner Majkopa'. Average nut weight 16.4 grams; kernel output 54 percent; oil content 71.8 percent. Tree survives  $-35^{\circ}$  C.

**264368.** 'Sputnik'. Average nut weight 10.3 grams; kernel output 49 percent; oil content 70 percent. Tree survives  $-33^{\circ}$  C.

**264369.** 'Suntuk'. Average nut weight 11.3 grams; kernel output 53.4 percent and oil content 65 percent. Tree survives  $-33^{\circ}$  C.

**264370 to 264372.** From the Bostandyk Test Field. Varieties resistant to late spring frosts.

**264370.** 'Bostandykskij'. Selected from the wild. Resistant to late spring frosts. Average nut weight 13.26 grams; kernel output 48.5 percent; sugar content 2.2 percent; oil content 68.8 percent.

**264371.** 'Jubilejnyj'. Selected from the wild. Resistant to late spring frosts. Average nut weight 11.72 grams; kernel output 50.4 percent; sugar content 1.6 percent; oil content 69.34 percent.

**264372.** 'Ideal'. Selected from cultivated plantings. Hardy, precocious, annual bearer. Resistant to late spring frosts; produces second crop of flowers. Average nut weight 10.25 grams; kernel output 50.8 percent; sugar content 3 percent; oil content 67.1 percent.



## 264358 to 264388—Continued

264373 to 264376. JUGLANS (hybrids).

From the Bostandyk Test Field.

264373. 'Gibridnyj'. Reportedly *J. regia* × *Carya illinoensis*. Hardy; resistant to late spring frost; short growth period. Average nut weight 12.12 grams; kernel output 51.3 percent; sugar content 2.3 percent; oil content 69.2 percent.264374. 'Hybrid 367'. Reportedly *J. regia* × *J. nigra*. Frost resistant. Average nut weight 11.74 grams; kernel output 44.5 percent.264375. 'Hybrid 367'. Reportedly *J. regia* × *J. cinerea*. Frost resistant; annual bearer; resistant to *Marsonia*. Average nut weight 11.55 grams; kernel output 49.2 percent.264376. 'Hybrid 470'. Reportedly *J. regia* 'Ideal' × *mandshurica*. Frost resistant; precocious bearer; resistant to *Marsonia*. Average nut weight 11.14 grams; kernel output 46.5 percent.

264377 to 264382. PRUNUS PERSICA (L.) Batsch Amygdalaceae.

Peach.

264377. 'Ak-Shaftali'.

264380. 'Pamir'.

264378. 'Lola'.

264381. 'Vladimir'.

264379. 'Kibraii'.

264382. 'Vostok'.

264383. PRUNUS PERSICA var. NECTARINA (Ait.) Maxim.  
'Zolotoi'.

Nectarine.

264384 to 264388. JUGLANS REGIA L. Juglandaceae. Persian walnut.

264384. No. 7-18.

264387. No. 55-29.

264385. No. 16-157.

264388. No. 104-48.

264386. No. 28-116.

264389. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.

From Great Britain. Seeds presented by the University College of Wales, Aberystwyth, Wales.

Bh 284/NG/53.

264390 and 264391. SORGHUM BICOLOR (L.) Moench. Poaceae.

From Nigeria. Seeds presented by A. Royer, Waka via Bui. Received March 27, 1960.

264390. Unnamed.

264391. Unnamed.

264392 to 264397. SORGHUM BICOLOR (L.) Moench

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received March 27, 1960.

264392. No. 1032. I.C. 1517. 'Early Prodigy'.

264393. No. 1038. I.C. 3563. 'Verawal Dholio'.

264394. No. 1052. 'Guntur 3'.

264395. No. 1056. 'Chhatio 10-2'.

264396. No. 1148. 'Guntur 4'.

264397. No. 1150. I.C. 2402. Type 263.

264398 to 264412.

From Argentina. Seeds presented by the Agricultural Experiment Station, Canadon Leon. Received March 27, 1960.

**264398 to 264412—Continued**

264398. *AGROPYRON PATAGONICUM* (Speg.) Parodi Poaceae.

C.L. 43.

264399. *AGROPYRON REMOTIFLORUM* Parodi

C.L. 44.

264400 and 264401. *BROMUS MACRANTHOS* Desv. Poaceae.

264400. C.L. 47.

264401. C.L. 54.

264402. *ELYMUS ERIANTHUS* R.A. Phil. Poaceae.

C.L. 46.

264403. *ELYMUS PATAGONICUS* Speg.

C.L. 49.

264404 and 264405. *HORDEUM COMOSUM* Presl Poaceae.

264404. C.L. 51.

264405. C.L. 53.

264406. *POA LANUGINOSA* Poir. Poaceae.

C.L. 57.

264407. *POA LIGULARIS* (Nees) Steud.

C.L. 56.

264408. *STIPA DIEGONENSIS* Swallen Poaceae.

C.L. 50.

264409. *STIPA HUMILIS* Brot.

C.L. 48.

264410. *STIPA IBARI* R.Phil.

C.L. 55.

264411. *STIPA NEAEI* (Nees) Steud.

C.L. 45.

264412. *STIPA PSYLANTHA* Speg.

C.L. 52.

264413 and 264414. *SACCHARUM* (hybrids). Poaceae.

**Sugarcane.**

From Puerto Rico. Cuttings presented by the Agricultural Experiment Station, Rio Piedras. Received March 27, 1960.

264413. P.R. 1028.

264414. P.R. 1048.

264415 to 264420.

From the United States. Plants collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 27, 1960.

264415. *AGAVE WISLIZENI* Salm-Byck. Amaryllidaceae.

Col. No. 18414. Farm road 649, seven meters north of Route 83, Star County, Rio Grande City, Texas. Large suckering, big-headed maguey; rosettes ashy glaucous to yellowish green, 1.5 by 1.5 meters; leaves few, coarse, guttered, dark plicate, 1 meter by 20 cm., with deflected teats; teeth strong; panicles to 7 meters high; laterals to 35 cm. long, terminal third of shaft.

## 264415 to 264420—Continued

## 264416. AGAVE sp.

Col. No. 18411. Ringold Park, Brownsville, Texas. Plant slender, freely surculose, open; rosettes green glaucous, 7 by 9 dm.; leaves narrow, openly ascending, toothless, irregular or regularly-toothed, turgid, brittle, rounded, thicker than wide at base; panicles to 3 meters high; flowers on upper two-thirds.

## 264417. AGAVE sp.

Col. No. 18416. Along Highway 83, 10 km. west of Rio Grande City, Texas. Plant large maguey; rosettes 2 by 1.8 meters; leaves broad, graceful ascending, with regular teeth. Cultivated as a hedge plant.

## 264418. MANFREDA sp. Amaryllidaceae.

Col. No. 18417. Highway 83, 10 km. west of Sullivan City, Starr County, Texas. Small single rosette with browsed leaves.

## 264419 and 264420. RUNYONIA LONGIFLORA Rose Amaryllidaceae.

264419. Col. No. 18412. 'Huaco. North of school at La Jolla, Hidalgo County, Texas. Rosette small, irregular, single; leaves dark, obscurely spotted, brittle, weak, fine-toothed.

264420. Col. No. 18415. Along Highway 83, northwest of Roma, Texas. Single rosette; leaves dark green spotted, declining.

## 264421. CASSIA JAVANICA L. Caesalpiniaceae.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received March 27, 1960.

## 264422. FESTUCA RUBRA var. LITORALIS G. Meyer Poaceae.

From Germany. Seeds presented by the Land Reclamation Bureau, Hallig Island, North Friesland. Received March 27, 1960.

Salt marsh grass.

## 264423 to 264426.

From Japan. Seeds presented by the Chugai Nursery Company, Yamamoto. Received March 27, 1960.

264423. ENKIANTHUS CERNUUS (Sieb. & Zucc.) Makino Ericaceae.  
'Rubrum'

## 264424. MAGNOLIA CAMPBELLII Hook. f. &amp; Thomas. Magnoliaceae.

## 264425. PINUS KORAIENSIS Sieb. &amp; Zucc. Pinaceae. Korean pine.

## 264426. PINUS PARVIFLORA Sieb. &amp; Zucc. Japanese white pine.

## 264427 to 264444.

From Greece. Seeds presented by the Institute of Plant Breeding, Thessalonike.

Received March 27, 1960.

## 264427 to 264429. AVENA SATIVA L. Poaceae. Common oats.

264427. G-17644.

264428. G-46882.

264429. G-49970.

## 264430 to 264432. HORDEUM VULGARE L. Poaceae. Barley.

264430. G-1979.

264431. G-47014.

264432. G-58175.



**264427 to 264444—Continued**

264433 to 264444.	TRITICUM AESTIVUM L.	Poaceae.	Common wheat.
264433.	G-5770.	264439.	G-46713.
264434.	G-13181.	264440.	G-58128.
264435.	G-17859.	264441.	G-58301.
264436.	G-38290.	264442.	G-58383.
264437.	G-46025.	264443.	G-59132.
264438.	G-46049.	264444.	G-61450.

**264445 to 264460. SORGHUM BICOLOR (L.) Moench. Poaceae.**

From Spain. Seeds presented by the Nacional de Investigaciones Agronomicas, Madrid. Received March 27, 1960.

- 264445. No. 1. Anover de Tajo, Toledo.
- 264446. No. 2. Anover de Tajo, Toledo. Seed light red.
- 264447. No. 3. Montellano, Sevilla.
- 264448. No. 4. Montellano, Sevilla. Seed black.
- 264449. No. 5. Ciudad Real.
- 264450. No. 6. Ciudad Real. Seed white.
- 264451. No. 7. Ciudad Real. Tall type.
- 264452. No. 8. Paradas, Sevilla.
- 264453. No. 9. Fuenteovejuna, Cordoba.
- 264454. No. 10. Valdepenas, Ciudad Real.
- 264455. No. 11. Montilla, Cordoba.
- 264456. No. 12. Canete de las Torres.
- 264457. No. 13. Arjonilla, Jaen.
- 264458. No. 14. Arenas de San Juan, Ciudad Real.
- 264459. No. 15. Arenas de San Juan, Ciudad Real. Seed black.
- 264460. No. 16. Jerez de los Caballeros, Badajoz.

**264461 to 264516. SORGHUM BICOLOR (L.) Moench Poaceae.**

From East Africa. Seeds presented by the Agriculture and Forestry Research Organization, Soroti, Uganda. Received March 27, 1960.

From Serere, Uganda.

- 264461. No. A3. Busoga. Gooseneck. Plant to 7 feet high; maturity 150 days.
- 264462. No. B7. Acholi. Plant to 7 feet high; maturity 150 days; ratoon type.
- 264463. No. B9. Acholi. Plant to 9 feet high; maturity 120 days; stem sweet; ratoon type.
- 264464. No. C1. From Chad. Plant to 6 feet high; maturity 100 days; straw stiff; grain large.
- 264465. No. C5. From Chad. Plant to 6 feet high; maturity 100 days.
- 264466. No. C7. From Chad. Plant to 5 feet high; maturity 100 days; straw stiff.
- 264467. No. C8. From Chad. Plant to 6 feet high; maturity 110 days.
- 264468. No. C9. From Chad. Plant to 6 feet high; maturity 110 days.
- 264469. No. C21. From Chad. Plant to 6 feet high; maturity 115 days.
- 264470. No. J27. Karamoja. Plant to 6 feet high; maturity 110 days.

**264461 to 264516—Continued**

264471. No. J56. Karamoja. Plant to 9 feet high; maturity 150 days; stem thick.
264472. No. J73. Karamoja. Plant to 9 feet high; maturity 130 days.
264473. No. KA2. Kawanda, Buganda. Plant to 5 feet high; maturity 110 days.
264474. No. L28. Lango. Plant to 6 feet high; maturity 110 days.
264475. No. L33. Lango. Plant to 6 feet high; maturity 110 days.
264476. No. T11. Teso. Plant to 8 feet high; maturity 120 days.
264477. No. T15. Teso. Plant to 10 feet high; maturity 120 days.
264478. No. T32. Teso. Plant to 6 feet high; maturity 110 days; seeds twin.
264479. Eideidei. Teso. Plant to 8 feet high; maturity 120 days.
264480. No. W4. West Nile. Plant to 8 feet high; maturity 110 days.
264481. No. W5. West Nile. Plant to 8 feet high; maturity 120 days.
264482. No. W11. West Nile. Plant to 8 feet high; maturity 120 days; ratoon type.
264483. No. C13. From Chad. Plant to 10 feet high; maturity 100 days; glumes large.

From Ukiriguru. Good straw varieties.

264484. No. SB36. From Kuya, Tanganyika. Plant to 4.5 feet high; maturity 160 days; stem thick.
264485. No. SB63. 0/1239. Selection from 'Dobbs'. Plant to 3 feet high; maturity 120 days.
264486. No. SB66. 0/1247  $\times$  P 127. From Swaziland selection. Plant to 2.5 feet high; maturity 110 days.
264487. No. SB68. 0/1224  $\times$  P 127. From Swaziland selection. Plant to 4.5 feet high; maturity 110 days.
264488. No. SB77. 0/1216  $\times$  P 127. From Swaziland selection. Plant to 3 feet high; maturity 110 days.
264489. No. SB79. 0/1252  $\times$  P 127. From Swaziland selection. Plant to 3 feet high; maturity 110 days.
264490. No. SB95. 'Dobbs'. From Kenya. Plant to 4.5 feet high; maturity 120 days.
264491. No. SB97. P 41 Cross. From Swaziland selection. Plant to 4.5 feet high; maturity 110 days.
264492. No. SB100. P 41 Cross. From Swaziland selection. Plant to 3 feet high; maturity 110 days.
264493. No. SB101. P 41 Cross. From Swaziland selection. Plant to 5 feet high; maturity 110 days.

Yellow grain varieties.

264494. No. SB143. From Korgi, Sudan. Plant to 5 feet high; maturity 130 days; stem curved.
264495. No. SB227. From Behan Souk, Aden. Plant to 6 feet high; maturity 120 days.
264496. No. SB230. From Behan, Aden. Plant to 6 feet high; maturity 120 days.

Large glume varieties.

## 264461 to 264516—Continued

264497. From Tjolotjo, Rhodesia.

264498. From Feki Mustahe, Sudan.

Selections from 'Feki Mustahe' crosses.

264499.  $56 \times 53/F2/2/2$ . 264501.  $56 \times 53/F2/6/2$ .264500.  $56 \times 53/F2/2/1$ . 264502.  $56 \times 53/F2/6/3$ .

Selections from large glume crosses.

264503. Large glume bulk; grain white.

264504. Large glume bulk; grain colored.

264505. BC2DDSBCW. Large glumes.

264506.  $55 \times$  crosses.264507.  $56 \times$  crosses.264508.  $54 \times$  crosses. (Large glume bulk from Mb. II)

Miscellaneous selections.

264509. No. SB40. 'Nunabe'. From Ghana. Plant to 7 feet high; maturity 130 days; possibly midge resistant.

264510. No. SB48. 'Peto'. From Ghana. Plant to 8.5 feet high; maturity 130 days.

264511. No. SB117. 'Msumbij'. From Tanganyika. Plant to 8 feet high; maturity 170 days; grain very hard.

264512. No. SB245. Selection. Plant to 4.5 feet high; maturity 120 days.

264513. No. SB258. Selection. Plant to 4.5 feet high; maturity 120 days.

264514. No. SB431. 'Mtama 38'. From Kenya. Plant to 6.5 feet high; maturity 120 days.

264515. No. SB42B. Selection. Plant to 6.5 feet high; maturity 120 days.

264516. No. SB209. 'Belko'. From Ghana. Plant to 7 feet high; maturity 140 days; all weather grain.

## 264517 to 264537.

From the Netherlands. Plants purchased from the Old Farm Nurseries, Boskoop. Received March 28, 1960.

264517. CYTISUS ELONGATUS Waldst. &amp; Kit. Fabaceae.

264518. CYTISUS NIGRICANS L. Spike broom.

264519 and 264520. CYTISUS SCOPARIUS (L.) Link Scotch-broom.

264519. 'Criterion'.

264520. 'Daisy Hill Splendens'.

264521. CYTISUS  $\times$  DALLIMOREI Rolfe

264522 to 264526. CYTISUS SCOPARIUS (L.) Link Scotch-broom.

264522. 'Donard Seedling'. 264525. 'Golden Sunlight'.

264523. 'Dragonfly'. 264526. 'Goldfinch'.

264524. 'Fulgens'.

264527. CYTISUS (hybrid)

'Hollandia'.



**264517 to 264537—Continued**

<b>264528 to 264537. CYTISUS SCOPARIUS (L.) Link</b>		<b>Scotch-broom.</b>
264528. 'Jubilee'.	264533. 'Newry Seedling'.	
264529. 'Killiney Red'.	264534. 'Queen Mary'.	
264530. 'Lord Lambourne'.	264535. 'Red Wings'.	
264531. 'Moonlight'.	264536. 'Windlesham Ruby'.	
264532. 'Newry Gold'.	264537. 'Zeelandia'.	

**264538 to 264541. PENNISETUM PURPUREUM Schum. Poaceae. Napiergrass.**

From the Belgian Congo. Cuttings presented by the National Institute of Agronomy, Station de Rubona. Received March 28, 1960.

264538. IAR 252. From French Cameroons.  
 264539. IAR 253. From Uganda. Hairless.  
 264540. IAR 255. 'Lignee'. From Cameroons.  
 264541. IAR 256. 'Lignee'. From Gold Coast.

**264542. GOSSYPIUM sp. Malvaceae.**

From Samoa. Seeds presented by R. E. V. Parham, Apolima Island. Received March 28, 1960.

No. 9610. High ridge, Leaga. Indigenous dwarf shrub.

**264543. DAUCUS CAROTA L. Apiaceae. Carrot.**

From Japan. Seeds presented by the Fujita Seed Company, Osaka. Received March 28, 1960.

'Kintoki'. Purple type; grows well in subtropics.

**264544 to 264546.**

From Kenya. Seeds presented by the Grasslands Research Station, Kitale. Received March 28, 1960.

264544. HYPARRHENIA HIRTA (L.) Stapf Poaceae.  
 No. K 50192.

264545 and 264546. HYPARRHENIA LINTONII Stapf.

264545. No. K 5130.

264546. No. K 52352. Small type.

**264547. ALOPECURUS ARUNDINACEUS Poir. Poaceae.**

From Sweden. Seeds presented by the Hortus Botanicus Universitatis, Uppsala. Received March 28, 1960.

Blekinge Province.

**264548. LYCOPERSICON ESCULENTUM Mill. Solanaceae.**

**Tomato.**

From Chile. Seeds presented by the United States Operations Mission, Santiago. Received March 28, 1960.

'Limachino'. Campex Los Andes, Praviene de Limache, probably from Italy. Early variety; fruit red, good flavor and shipper; locules vary.

**264549. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From Israel. Seeds presented by the Agricultural Research Station, Plant Introduction Service. Rehovot.

No. 123.

**264550 and 264551.**

From Guatemala. Seeds presented by the Finca el Tambor, San Sebastian, Retalhulen. Received March 28, 1960.

**264550.** *CUCURBITA FICIFOLIA* Bouche. Cucurbitaceae. **Alcallota.**

'Chilicayote'. Short day, cool climate plants; fruits smooth, glossy, resembling citron. Made into confections.

**264551.** *CUCURBITA MOSCHATA* Duchesne Cucurbitaceae. **Cushaw.**

'Guicoy'. Gutemala highlands. Resembles the 'Butternut' squash. Eaten when young or mature.

**264552 to 264554.**

From Japan. Seeds presented by the Kyushu University, Fukuoka. Received March 28, 1960.

**264552.** *ILEX PURPUREA* var. *OLDHAMII* (Miq.) Loes. Aquifoliaceae.

From Fukuoka.

**264553.** *PYRACANTHA ANGUSTIFOLIA* (Franch.) C. Schmeid. Malaceae. **Narrowleaf firethorn.**

From Fukuoka.

**264554.** *SCIADOPITYS VERTICILLATA* (Thunb.) Sieb. & Zucc. Pinaceae. **Umbrella-pine.**

From Wakayama Pref.

**264555.** *GLYCINE MAX* (L.) Merrill Fabaceae. **Soybean.**

From Argentina. Seeds presented by the Pergamino Experiment Station, Pergamino. Received March 23, 1960.

F.A.V. 24-3.

**264556 to 264559.** *MALUS SYLVESTRIS* Mill. Malaceae. **Apple.**

From Great Britain. Scions presented by the National Fruit Trials, Faversham, Kent, England. Received March 30, 1960.

**264556.** 'Coe's Golden Drop'. **264558.** 'Kerry Pippin'.

**264557.** 'Kerry Pippin'. **264559.** 'Sam Young'.

**264560 to 264592.**

From Great Britain. Plants purchased from Hillier and Sons, Winchester, England. Received March 30, 1960.

**264560.** *CAMELLIA HETEROPHYLLA* Hu Theaceae.

'Barbara Hillier'.

**264561.** *CAMELLIA TALIENSIS* (W.W.Sm.) Melch.

**264562.** *CAMELLIA TSAI* Hu

**264563 to 264566.** *CAMELLIA* × *WILLIAMSII* W.W.Smith

**264563.** 'Coppelia'. **264565.** 'Hiraethyla'.

**264564.** 'Elizabeth Rothschild'. **264566.** 'St. Ewe'.

**264567 and 264568.** *CAMELLIA* (hybrid).

**264567.** 'Cornish Snow Michael'.

**264568.** 'Winton'.

**264569.** *CLEMATIS CAMPANIFLORA* Brotero Ranunculaceae.

**264570.** *CLEMATIS CIRRHOSA* L.

**264571.** *CLEMATIS INTEGRIFOLIA* L.

**264572.** *CLEMATIS FINETIANA* Leveille & Vaniot

**264573.** *CLEMATIS GENTIANOIDES* DC.

**264560 to 264592—Continued**

264574. CLEMATIS GLAUCA var. AKEBIOIDES (Maxim.) Rehd & Wils.  
 264575. CLEMATIS MEYENIANA Walpers  
 264576. CLEMATIS NAPAULENSIS DC.  
 264577. CLEMATIS UNCINATA Champ.  
 264578. CLEMATIS × AROMATICA Lenne & Koch  
 264579. CLEMATIS × JACKMANII Th. Moore **Jackman clematis.**  
     'Alba'.  
 264580. CLEMATIS × TRITERNATA DC.  
     'Violacea Rubra-marginata'.  
 264581. CLEMATIS × VEDRARIENSIS Vilmorin  
 264582. CLEMATIS (hybrid).  
     'Gravetye Beauty'.  
 264583. CLEMATOCLETHRA LASIOCLADA Maxim. Dilleniaceae.  
 264584. CLEMATOCLETHRA STRIGILLOSA Franch.  
 264585. MAGNOLIA SPRENGERI Pampanini Magnoliaceae.  
     'Diva'.  
 264586. MAGNOLIA × THOMPSONIANA (Loud.) C. de Vos  
 264587. MAGNOLIA × PROTORIANA Rehd.  
 264588. PLAGIANTHUS BETULINUS A. Cunn. Malvaceae.  
 264589. PLAGIANTHUS DIVARICATUS Forst.  
 264590. PYRACANTHA sp. Malaceae.  
 264591. SKIMMIA JAPONICA var. VEITCHII (Carr.) Rehder Rutaceae.  
 264592. SKIMMIA LAUREOLA (DC.) Sieb. & Zucc.

**264593 to 264597. HUMULUS LUPULUS L. Moraceae.****Common hop.**

From Japan. Plants presented by the Daiichi Seed Company, Tokyo. Received March 31, 1960.

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|------------------------------|--|
| 264593. No. 1. WJ-1. Female. | 264596. No. 4. WJ-2. Male.               |
| 264594. No. 2. WJ-2. Female. | 264597. No. 5. 'Shinshuwase'.<br>Female. |
| 264595. No. 3. WJ-1. Male.   |  |

**264598 to 264601. SACCHARUM (hybrids). Poaceae. Sugarcane.**

From Australia. Cuttings presented by the Bureau of Sugar Export, Cairns. Received April 1, 1960.

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|---------------------|--------------------|
| 264598. 57 NG 246.4 | 264600. 57 NG 195. |
| 264599. 57 NG 183.  | 264601. 57 NG 196. |

**264602. DIOSCOREA FLORIBUNDA Mart. & Gal. Dioscoreaceae.****Yam.**

From Mexico. Seeds presented by the United States Embassy, Mexico City. Originally grown in Guatemala. Received April 1, 1960.

**264603 to 264610.**

From Costa Rica. Seeds presented by the Instituto Inter-Americano de Ciencias Agricolas, Turrialba. Received April 1, 1960.

**264603 to 264606. PHASEOLUS LUNATUS L. Fabaceae. Lima bean.**

264603. No. 3. Canas, Guanacaste, Pacific slope. Elevation 325 feet. Vines in clearings, along roads and in brushland.



**264603 to 264610—Continued****264603 to 264606—Continued**

**264604.** No. 4. Canas, Guanacaste, Pacific slope. Elevation 325 feet. Vines in clearings, along roads and in brushland.

**264605.** No. 6. Mercedes, north of Heredia, central region. Elevation 3,575 feet. Plants on fences and along streamsides.

**264606.** Liberia, Guanacaste. Elevation 500 feet. Vines in clearings, along roads and in brushland.

**264607 to 264610. PHASEOLUS POLYSTACHIOS (L.) B.S.P. Fabaceae.**

**264607.** No. 1. Canas, Guanacaste, Pacific slope. Elevation 325 feet. Vines in clearings, along roads and in brushland.

**264608.** No. 2. Canas, Guanacaste, Pacific slope. Elevation 325 feet. Vines in clearings, along roads and in brushland.

**264609.** No. 5. Canas, Guanacaste, Pacific slope. Elevation 325 feet. Vines in clearings, along roads and in brushland.

**264610.** No. 7. Mercedes, north of Heredia, central region. Elevation 3,575 feet. Plants on fences and along streamsides.

**264611 to 264620. GOSSYPIUM (hybrids). Malvaceae. Cotton.**

From Peru. Seeds presented by the Institute of Genetics, Society Nacional Agraria, Lima. Received April 1, 1960.

**264611.** SNA 2735. 'Chacracerro'.

**264612.** SNA 4810. Origen LM-7-35.

**264613.** SNA 6110. Origen LM-7-35.

**264614.** SNA 6202. (SNA 248)

**264615.** SNA 6368. (SNA 248).

**264616.** SNA 5042. From old Harland line.

**264617.** SNA 6261. (1517 × 443 X-rayed) F5.

**264618.** SNA 6390. (1517 × SNA 443) F5.

**264619.** SNA 6397. (904 × 1517C) F5.

**264620.** SNA 6400. (904 × 1517C).

**264621 to 264632. ALLIUM CEPA L. Liliaceae.****Onion.**

From Germany. Seeds presented by the Institut für Gartnerische Pflanzenzuchtung der Technischen Hochschule, Hannover. Received April 1, 1960.

**264621.** 'Birnformige'.

**264622.** 'Bronzekugel'.

**264623.** 'Dursu'. From Turkey.

**264624.** 'Early Wonder'.

**264625.** 'Karacabey'. From Turkey.

**264626.** 'Mustafa Kenal'. From Turkey.

**264627.** 'Obrovska Zluta'. From C.S.R.

**264628.** 'Onion Pusa Red'. From India.

**264629.** 'Rijnsburger'. From Netherlands.

**264630.** 'Weisse Fruhlingszwiebel'. From Netherlands.

**264631.** 'Wolska Hosera'. From Poland.

**264632.** 'Zittauer Gelbe'. From Netherlands.

## 264633 to 264646.

From Belgium. Seeds presented by the Station de Recherches de l'Etat pour l'Amelioration des Plantes de Grande Culture, Gembloux. Received April 1, 1960.

264633 to 264638. *AVENA SATIVA* L. Poaceae. Common oats.

264633. 'Altesse Jaune'.

264634. 'Blanche du Vieux Moulin'.

264635. 'Confiance'.

264636. 'Espoir de Gembloux'.

264637. 'Vedette'.

264638. 'Vigor'.

264639. *HORDEUM VULGARE* L. Poaceae. Barley.

'Manon'. Winter barley.

264640 to 264646. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

264640. 'Jufy I'. Spring wheat.

264641. 'Jufy II'. Spring wheat.

264642. 'Directeur Journee'. Winter wheat.

264643. 'Fleurion'. Winter wheat.

264644. 'Hesbignon'. Winter wheat.

264645. 'Professeur Marchal'. Winter wheat.

264646. 'Stella'. Winter wheat.

## 264647 to 264671.

From Germany. Seeds presented by Julius Wagner, Heidelberg. Received April 1, 1960.

264647 to 264650. *ALLIUM CEPA* L. Liliaceae. Onion.

264647. 'Zwiebeln Stuttgarten, Riesen'. No. 6291/18.

264648. 'Zwiebeln Stuttgarten, Riesen'. No. 6291/19.

264649. 'Zwiebeln Zittauer Gelbe'. No. 7272.

264650. 'Zwiebeln Zittauer Gelbe'. No. 7281.

264651 to 264658. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. Cauliflower.

264651. No. 321. 264655. No. 5061.

264652. No. 5056. 264656. No. 5063.

264653. No. 5057. 264657. No. 5064.

264654. No. 5058. 264658. No. 5069.

264659 to 264662. *CAPSICUM FRUTESCENS* L. Solanaceae. Redpepper.

264659. 'Paprika Elefantenrussel'.

264660. 'Paprika Fruhauber'.

264661. 'Paprika Liebesapfel'.

264662. 'Paprika Tascheuformiger'.

264663. *CICHORIUM ENDIVIA* L. Cichoriaceae. Endive.

'Winterendivien Escariol Gruner'.

264664 to 264668. *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.

264664. 'Landgurken Delikaress'. No. 4596.

264665. 'Landgurken Delikaress'. No. 4607.

**264647 to 264671—Continued****264664 to 264668—Continued**

264666. 'Landgurken Delikaress'. No. 4608.

264667. 'Landgurken Vorgebirgstrauben'. No. 9228.

264668. 'Landgurken Vorgebirgstrauben'. No. 9230.

264669. *DAUCUS CAROTA* L. Apiaceae.

Carrot.

'Mohren Bauers Kieler Dunkelorange'.

264670 and 264671. *LACTUCA SATIVA* L. Cichoriaceae.

Lettuce.

264670. 'Winterkopfsalat Maiwunder'. No. 5190.

264671. 'Winterkopfsalat Maiwunder'. No. 5191.

**264672 to 264679.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received April 1, 1960.

264672 to 264675. *AVENA SATIVA* L. Poaceae.

Common oats.

264672. N.P. Hybrid 1.

264674. N.P. 2.

264673. N.P. Hybrid 3.

264675. X-27.

264676 to 2564679. *HORDEUM VULGARE* L. Poaceae.

Barley.

264676. N.P. 13.

264678. K. 251.

264677. N.P. 21.

264679. C. 138-2.

264680. *FRAGARIA* (hybrid). Rosaceae.

From Germany. Plants presented by R. von Sengbusch, Hamburg. Received April 6, 1960.

'Senga Sengana'.

264681. *RUBUS GEOIDES* J. E. Smith. Rosaceae.

Frutilla.

From Peru. Plants presented by the United States Operations Mission, Lima. Received April 7, 1960.

264682. *SACCHARUM* (hybrid). Poaceae.

Sugarcane.

From the British West Indies. Cuttings presented by the Cane Breeding Station, Barbados. Received April 7, 1960.

B 45105.

264683. *PYRACANTHA FORTUNEANA* (Maxim.) Li Malaceae.

From the Netherlands. Plants presented by the Old Farm Nurseries, Boskoop. Received April 7, 1960.

'Orange Glow'.

264684. *FICUS COCCULIFOLIA* Baker Moraceae.

From Madagascar. Seeds presented by I. J. Condit, Citrus Experiment Station, Riverside, California. Received April 7, 1960.

From Madagascar, where the species is said to be used as a rootstock for *F. carica*.

264685. *CUCUMIS MYRIOCARPUS* Naud. Cucurbitaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received April 7, 1960.

'Prickly Paddy Melon'. Collected at sand dumps grounds. An annual weed, reputedly poisonous to stock.



**264686. PHASEOLUS AUREUS Roxb. Fabaceae. Mung bean.**

From the Philippines. Seeds presented by the Economic Garden, Los Baños, Laguna. Received April 7, 1960.

**264687 to 264700.**

From Yugoslavia. Scions presented by the United States Operations Mission, Belgrade. Received March 25, 1960.

**264687 to 264693. MALUS SYLVESTRIS Mill. Malaceae. Apple.**

**264687.** 'Alamaka'. From Macedonia. Tree vigorous, productive; fruit medium size, round conic, smooth, sweet, mostly red; keeping qualities good.

**264688.** 'Champagne Reinette'. Old European variety. Fruit yellow with few russet dots, good finish.

**264689.** 'Djulabia'. Balkan variety. Tree vigorous, productive, alternate bearing when in low vigor, late flowering, late leaf drop; fruit medium to large, yellow and red, smooth, but with conspicuous spots and scurf skin, sweet; flesh white, tough at harvest; seeds numerous. Ripens late October.

**264690.** 'Ljaljce'. From Kosmet. Better textured, tartier, smaller, but otherwise similar to 'Red Rome'. Fruit has good finish, with some russet, keeps in common storage until January.

**264691.** 'Maribor No. 2439'. 'Crown Prince Rudolf' × 'James Grieve'. Fruit medium size, late maturing; skin highly glossy, yellow white, with slight russet.

**264692.** 'Red Belflower'. Late-flowering and late-maturing variety; fruit red striped.

**264693.** 'Sumatooka'. Yugoslavian variety. Fruit small long conic, medium dark red with good finish; flesh white, moderately tough at harvest. Keeps until February in common storage.

**264694 to 264700. PYRUS COMMUNIS L. Malaceae.**

**264694.** 'Arganche'. Macedonian variety; ripens late July; quality good.

**264695.** 'Coloree de Juillet'. Old European variety ripening mid-July.

**264696.** 'Lubenicarka'. Serbian variety. Fruit pyriform, ripens in August; flesh red, granular.

**264697.** 'Mustabej'. Macedonian variety. Fruit red blushed, ripens early August.

**264698.** 'Sommer Muskatel Birne'. Old European variety; ripens July.

**264699.** 'Williams Precoce Morettini'. 'Williams' × 'Citron de Carmes'. Fruit slightly irregular, short conic, medium to large, green; flesh slightly granular, does not break down as quickly as 'Clapp's Favorite'.

**264700.** 'Vidovaca'. Yugoslavian variety. Fruit ripens mid-June, to 1.5 inches long, yellow; flesh smooth; stone cells few; drops at maturity and breaks down fast.

**264701 to 264730.**

From Peru. Tubers collected by D. S. Correll, collaborator, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 7, 1960.

**264701. SOLANUM ACAULE Bitter Solanaceae.**

Col. No. P-863. Six km. from entrance to Hacienda Porcon, Cajamarca Department. Elevation 3,300 meters.

**264702 to 264730. SOLANUM sp.**

**264702.** Col. No. P-722. Near Km. 110, above Rio Blanca, Lima Dept. Elevation 3,550 meters.

**264701 to 264730—Continued****264702 to 264730—Continued**

264703. Col. No. P-724. Km. 120, below Casapalca, Lima Dept. Elevation 3,750 meters.
264704. Col. No. P-726. Midway between La Oroya and Paccha, Junin Dept. Elevation 3,750 meters.
264705. Col. No. P-728. Huari, Junin Dept. Elevation 3,650 meters.
264706. Col. No. p-729. Purchased in Huancayo market. Grown in forested mountain area east of city.
264707. Col. No. 730. Purchased in Huancayo market. Said to be grown near Puno.
264708. Col. No. P-731. Near Huancayo, Junin Dept. Elevation 3,550 meters.
264709. Col. No. P-752.
264710. Col. No. P-827. Forty-six km. from Olmos, road to Jaen, Lambayeque Dept. Elevation 2,150 meters.
264711. Col. No. P-840. Forty-three km. from Cajamarca, road to Chilete, Cajamarca Dept. Elevation 1,950 meters.
264712. Col. No. P-848. Twenty-nine km. from Cajamarca road to Chilete, Cajamarca Dept. Elevation 2,650 meters.
264713. Col. No. P-854. Fifteen km. from Cajamarca, road to Bamba-marca, Cajamarca Dept. Elevation 3,000 meters.
264714. Col. No. P-880. Cajamarca market, Cajamarca Dept. Grown in mountains above city.
264715. Col. No. P-881. Cajamarca market, Cajamarca Dept. Grown in mountains above city.
264716. Col. No. P-914. Cajamarca market, Cajamarca Dept.
264717. Col. No. P-296. Huamachuco market, La Libertad Dept.
264718. Col. No. P-927. Huamachuco market, La Libertad Dept.
264719. Col. No. P-928. Huamachuco market, La Libertad Dept.
264720. Col. No. P-929. Huamachuco market, La Libertad Dept.
264721. Col. No. P-949. Several kms. below Jupash, Ancash Dept. Elevation 3,050 meters.
264722. Col. No. P-950. Ancash Dept. Elevation 3,350 meters.
264723. Col. No. P-951. Huaras market, Ancash Dept.
264724. Col. No. P-952. Huaras market, Ancash Dept.
264725. Col. No. P-954. Llanganuco-Yungay roadside, Ancash Dept. Elevation 3,300 meters.
264726. Col. No. P-965. Huaras-Recuay roadside, Ancash Dept. Elevation 3,250 meters.
264727. Col. No. P-867. Near Recuay-Chavin pass, Ancash Dept. Elevation 4,100 meters.
264728. Col. No. P-970. Near Recuay-Chavin pass, Ancash Dept. Elevation 4,150 meters.
264729. Col. No. P-974. Several km. below Conococha, road to coast, Ancash Dept. Elevation 3,900 meters.
264730. Col. No. P-976. Near Km. 306, road from Conococha to coast. Elevation 3,700 meters.

**264731 to 264741. TRITICUM AESTIVUM L. Poaceae.****Common wheat.**

From Greece. Seeds obtained through the World Collection Small Grains Office. Received April 11, 1960.

264731. I 673. 38290. 'Quality' × 'Rieti'.

264732. I 674. 46025-2632. 'Quality' × 'Rieti'.

264733. I 675. 51363-10B. ('Kenya C6042' × 'Dux') × 'Quaderna'.

264734. I 676. 52771-22. 'Mentana' × ('Kenya C6042' × ('Canberra' × 'Grinias')).

264735. I 677. 57994-13H3. 'Mentana' × ('Kenya C6042' × ('Canberra' × 'Grinias')).

264736. I 678. 58128. 'S. Capelli' × ('Limnos' ('Florence' × 'Ardito') × ('Sinai 2')).

264737. I 679. 58383. ('Kenya C6042' × 'Dux') × 'Quaderna'.

264738. I 680. 61450. ('Kenya C6041' × 'Mentana') × 'Quaderna'.

264739. I 681. 61605. 'Rieti' × ('Kenya C6041' × 'Mentana').

264740. I 682. BP-2-1. ('Quality' × 'Rieti') × 'Manitoba'.

264741. I 683. 65712. ('Quality' × 'Rieti') × 'Kenya 58'.

**264742. ARACHIS HYPOGAEA L. Fabaceae.****Peanut.**

From the British West Indies. Seeds presented by G. A. Beswick, Jamaica. Received April 12, 1960.

Plants upright.

**264743. ARACHIS HYPOGAEA L. Fabaceae.****Peanut.**

From Israel. Seeds presented by the Agricultural Research Station, Rehovot. Received April 13, 1960.

**264744 to 264749.**

From Japan. Seeds presented by the Plant Breeding Institute, Faculty of Agriculture, Hokkaido University, Sapporo. Received April 13, 1960.

**264744 to 264746. AVENA SATIVA L. Poaceae.****Common oats.**

264744. 'Hokuyo'.

264745. 'Victory No. 1'.

264746. 'Zensin'.

**264747 to 264749. HORDEUM VULGARE L. Poaceae.****Barley.**

264747. 'Akan-mugi'. Spring type.

264748. 'Mashu-mugi'. Spring type.

264749. 'Rokkaku-Ozeki'. Spring type.

**264750 to 264752. ORYZA SATIVA L. Poaceae.**

From Venezuela. Seeds presented by the Centro de Investigaciones Agronomicas, Maracay. Received April 13, 1960.

264750. 'Campesion'.

264751. 'Chollett'.

264752. 'Mortuto'.

**264753. CLYMENIA POLYANDRA (Tanaka) Swingle Rutaceae.**

From New Guinea. Trees presented by the Department of Agriculture, Stock and Fisheries, Port Moresby, Papua. Received April 21, 1960. Grown at Kavieng, New Ireland.



**264754 to 264757. FRAGARIA (hybrids). Rosaceae.**

From the Netherlands. Plants presented by the Institut voor Veredeling van Tuinbouwgewassen, Wageningen. Received April 18, 1960.

264754. 'Deutsch Evern'.

264756. 'Oberschlesien'.

264755. 'Madame Lefebvre'.

264757. 'Sans Rivale'.

**264758 to 264763.**

From Morocco. Seeds presented by the Institut Francais de Recherches Fruitières Outre-Mer, Rabat. Received April 20, 1960.

264758 to 264760. CITRUS AURANTIFOLIA (Christm.) Swingle Rutaceae.  
Lime.

264758. From Tulear, Madagascar, where the fruit is called "Citron nain de la Reunion" or dwarf lemon of the Reunion Island. Fruit is characteristic lime with many segments and seeds.

264759. From Tulear, Madagascar, where the fruit is called "Lime des 4 saisons" or everbearing lime. Fruit size between lime and lemon; tegmen maroon colored; chalazal spot deep red. Probably a lime-lemon hybrid.

264760. From Tulear, Madagascar, where the fruit is called "Lime citron a gros fruits", or large fruited lemon-lime. Fruit characteristics same as P.I. 264759, but the tegmen is clear, as in true limes, and the chalazal spot is light red. Probably a lime-lemon hybrid.

264761. CITRUS HYSTRIX DC. Rutaceae.

Collected in Nhatrang, South Vietnam from trees in the wild. *Citrus macroptera* var. *annamensis* was collected for the first time by Poilane in exactly the same area.

264762 and 264763. CITRUS (hybrids). Rutaceae.

264762. 'A'. Seeds collected in Finike, Turkey, from native varieties. This variety is locally called "A' Limon" or white lemon. A round lemon suggesting an acid lemon and Palestine sweet lime hybrid.

264763. 'Kirmisi'. Collected in Finike, Turkey, from native varieties. This variety is locally called "Kirmisi Limon" or red lemon. Has fruit characteristics between acid lemon and sweet or sour orange.

**264764 and 264765.**

From Great Britain. Plants presented by T. Hilling and Company, Chobham, Woking, Surrey, England. Received April 21, 1960.

264764. CLEMATIS LANUGINOSA Lindl. & Paxt. Ranunculaceae.

Ningpo clematis.

'Wilsonii'.

264765. CLEMATIS (hybrid).

'Beauty of Worcester'.

264766. FESTUCA ARUNDINACEA Schreb. Poaceae. Tall fescue.

From the Netherlands. Seeds presented by the Koninklijke Kweekbedrijf en Zaadhandel, Kapelle-Biezelinge. Received April 20, 1960. Grown in old pastures in southwest Holland.

264767. FAGOPYRUM ESCULENTUM Moench. Polygonaceae.

Buckwheat.

From Yugoslavia. Seeds presented by the Entreprise pour l'Exportation et l'Importation des Cereales, Belgrade. Received April 20, 1960.

264768. POA PRATENSIS L. Poaceae. Kentucky bluegrass.

From Canada. Seeds presented by Hogg and Lytle Ltd., Ontario. Received April 20, 1960.

'Atlas'.

**265769. ALOPECURUS ARUNDINACEUS Poir. Poaceae.**

From Portugal. Seeds presented by Institut Botanique de l'Universite, Coimbra. Received April 20, 1960.

**264770 and 264771.**

From Germany. Seeds presented by the Botanischer Garten der Landwirtschaftlichen Hochschule Hohenheim, Stuttgart-Hohenheim. Received April 21, 1960.

**264770. AGROPYRON ELONGATUM (Host) Beauv. Poaceae.**

**Tall wheatgrass.**

**264771. ALOPECURUS PRATENSIS L. Poaceae.**

**Meadow foxtail.**

**264772. ALOPECURUS ARUNDINACEUS Poir. Poaceae.**

From Germany. Seeds presented by the Deutsche Akademie der Wissenschaften zu Berlin, Institute für Kulturpflanzenforschung, Berlin. Received April 20, 1960.

No. Gr-1034/59. Meadow, Selke-Valley, Harz Mountains.

**264773 to 264776.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received April 21, 1960.

**264773. NICOTIANA FRAGRANS Hook. Solanaceae.**

No. Uhmp. 235451. From Australia.

**264774 and 264775. NICOTIANA GLOSA J. M. Black Solanaceae.**

**264774.** No. Uhmp. 235449. From Australia.

**264775.** No. Uhmp. 235450. From 200 miles north of Alice Springs, Northern Territory, Australia.

**264776. NICOTIANA STENOCHARPA Wheeler Solanaceae.**

No. Uhmp. 235452. From Melita, Western Australia.

**264777 and 264778. ALLIUM CEPA L. Liliaceae.**

**Onion.**

From Italy. Seeds presented by the Italian Federation of Farmers' Cooperatives, Washington, D.C. Received April 21, 1960.

**264777.** Lot 131. 'Gialla Ramata di Milano'. From Padova.

**264778.** Lot. 538. 'Dorata de Parma'. From Parma.

**264779 to 264783. BRASSICA OLERACEA var. ACEPHALA DC. Brassicaceae. Kale.**

From Portugal. Seeds purchased from Casa Horticola, Porto. Received April 21, 1960.

**264779.** No. 73. 'Tronchuda Portuguesa'. Early variety; leaves green, ready for cutting in seven weeks.

**264780.** No. 74. 'Tronchuda Gloria de Portugal'. Plants large, yellow.

**264781.** No. 75. 'Penca de Chaves'. Butter cabbage. Stems thick, fleshy, flavorful; leaves green.

**264782.** No. 76. 'Penca da Povia'. Excellent early variety; leaves tender; light green.

**264783.** No. 77. 'Penca de Mirandela'. Leaves light green, large, tender, flavorful.

**264784 to 264789. PHASEOLUS VULGARIS L. Fabaceae.**

**Common bean.**

From France. Seeds presented by the Institute National de la Recherche Agronomique, Station Centrale de Genetique et d'Amelioration des Plantes, Versailles. Received April 21, 1960.

## 264784 to 264789—Continued

264784. 'Canadian Wonder'.

264785. 'Ne Plus Ultra'.

264786. 'Nord Holland'.

264787. 'Nord Stern'.

264787. 'No. 22, Anthracnose resistant.

264789. 'Princesse Double de Hollande'.

## 264790. CLEMATIS FLORIDA Thun. Ranunculaceae.

From Great Britain. Plants presented by the Knight's Nurseries, Limited, Hailsham, Sussex, England. Received April 21, 1960.

'Sieboldii Superba'.

## 264791 to 264807.

From Switzerland. Seeds presented by the Jardin Botanique de la Ville de Geneve, Geneve. Received April 21, 1960.

264791. ALLIUM CERNUUM Roth. Liliaceae. Nodding onion.

264792. ALLIUM DECIPIENS Fisch.

264793. ALLIUM GIGANTEUM Regel

264794. ALLIUM KARATAVIENSE Regel

264795. ALLIUM MOLY L. Lily leek.

264796. ALLIUM MOLY var. BULLBIFERUM Rovy.

264797. ALLIUM NARCISSIFLORUM Vill.

264798. ALLIUM OCHROLEUCUM Waldest. &amp; Kit.

264799. ALLIUM ODORUM L.

264800. ALLIUM OREOPHILUM Meyer

264801. ALLIUM SCHOENOPRASUM L. Chives.

264802. ALLIUM SCHOENOPRASUM var. ALPINUM Hort.

264803. ALLIUM SENESCENS L.

264804. ALLIUM TUBEROSUM Rottl.

264805 and 264806. ALLIUM VICTORIALIS L.

264805. No varietal name.

264806. 'Ricolte valaes'.

264807. ALLIUM ZEBDANENSE Boiss. &amp; Noe.

## 264808 to 264815.

From India. Seeds presented by the Botanical Survey of India, Calcutta. Received April 22, 1960.

264808. CLEMATIS BUCHANIANA DC. Ranunculaceae.

264809. CLEMATIS GRATA Wall. Himalayan clematis.

264810. CLEMATIS GRAVEOLENS Lindl.

264811. LAGERSTROEMIA PARVIFLORA Roxb. Lythraceae.

264812. RHODODENDRON ARBOREUM J. E. Smith Ericaceae. Tree rhododendron.

264813. VIBURNUM COTINIFOLIUM D. Don Caprifoliaceae.

264814. VIBURNUM STELLULATUM Wall. ex DC.

264815. VITEX NEGUNDO L. Verbenaceae.



**264816 to 264818. ORYZA SATIVA L. Poaceae.**

From Pakistan. Seeds presented by the Food and Agriculture Organization of the United Nations, Rome. Received April 22, 1960.

Short season varieties (100-120 days), Aus rice group. Most are nonphotosensitive, drought resistant, low-yielding varieties.

264816. 'Dharia'. (AUS Paddy).

264817. 'Dular'. (AUS Paddy).

264818. 'Hashikalmi'. (AUS Paddy).

**264819. GLYCINE JAVANICA L. Fabaceae.**

From Peru. Seeds presented by the International Cooperation Administration, Institute of Inter-American Affairs, Division of Agricultural Development, Lima. Received April 22, 1960. Collected at Tingo Maria.

**264820. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From France. Seeds presented by the Museum National d'Histoire Naturelle, Paris. Received April 22, 1960.

**264821. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From Germany. Seeds presented by the Botanischer Garten, Hamburg. Received April 22, 1960.

No. 34.

**264822 and 264823.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received April 22, 1960.

264822. ALOPECURUS ARUNDINACEUS Poir. Poaceae.

No. 21928. From Italy.

264823. ALOPECURUS PRATENSIS L. Poaceae.

Meadow foxtail.

No. 21073. From Czechoslovakia.

**264824 to 264837.**

From the Belgian Congo. Seeds collected by H.W. Ford, Citrus Experiment Station, Lake Alfred, Florida. Received April 25, 1960.

264824. CHAETOSPERMUM GLUTINOSUM (Blanco) Swing. Rutaceae.

Col. No. 1182. Tree to 25 feet high, 22 years of age. Seed gelatinous.

264825. CITROPSIS GABUNENSIS (Engl.) Swing. & M. Kell. Rutaceae.

Col. No. 1185. Yombi Forest, 82 miles southwest of Thysville, near the Congo River. Trees vinelike, to 20 feet high; leaves 5- to 7-foliolate; fruit to one inch in diameter, with one to four seeds; pulp gelatinous.

264826. CITROPSIS GILLETIANA Swing. & M. Kell.

Col. No. 1194. Forest along the Ngombe river, near Mvuazi. Tree to 23 feet high; leaves 3- to 5-foliolate; fruit one inch, with one to three large, smooth seeds; pulp sticky, gelatinous.

264827. CITROPSIS LATIALATA (Wildem.) Swing. & M. Kell.

No collectors' number. Kinganaga Forest, 27 miles southeast of Mvuazi. Leaves small, 3- to 9-foliolate.

264828. CITRUS LIMON (L.) Brum. f. Rutaceae.

Lemon.

Col. No. 1183. Used as citrus rootstock. Resembles Florida Rough Lemon. May be susceptible to Tristeza. Valencia oranges and grapefruit show severe stem pitting and decline on this rootstock after 8 to 10 years.

264829 and 264830. CITRUS RETICULATA Blanco

Mandarin orange.

264829. Col. No. 1186. 'Cape Croen Skill Mandarin'. From the citrus collection at Mvuazi. Budded on rough lemon; eight-year-old growth, upright.

**264824 to 264837—Continued****264829 and 264830—Continued**

**264830.** Col. No. 1193. 'Bougie'. From the Mvuazi citrus collection. From Algeria. Tree resembles willowleaf mandarin; fruit small; skin thin; seeds numerous.

**264831 to 264836. CITRUS SINENSIS (L.) Osbeck** **Orange.**

**264831.** No. 1187. 'Common Riberia Orange'. From the Mvuazi citrus collection. Trees budded on rough lemon nine years old; quality poor; fruit seedy.

**264832.** No. 1188. 'Common Dulce Riberia'. From the Mvuazi citrus collection. Trees budded on rough lemon eight years old; fruit immature when picked; seedy.

**264833.** No. 1189. 'Portogalo Vaniglia'. From the Mvuazi citrus collection. Trees budded on rough lemon ten years old; fruit seedy; albedo thick, immature when picked; seeds smooth, plump.

**264834.** No. 1190. 'Shorney'. From the Mvuazi citrus collection. Trees budded on rough lemon 10 years old; fruit quality poor; seeds many, plump, ribbed.

**264835.** No. 1191. 'Ruwenzo'. From the Mvuazi citrus collection. Trees budded on rough lemon four years old; fruit seedy; seeds large, plump, ribbed.

**264836.** No. 1192. 'Clan William'. From the Mvuazi citrus collection. Trees budded on rough lemon four years old; fruit seedy; albedo thin.

**264837. FERONIA LIMONIA (L.) Swing. Rutaceae.** **Wood apple.**  
From the Mvuazi citrus collection. Trees about 25 years old but fruitless until recently; fruit 2 inches in diameter; shell hard.

**264838 to 265019.**

From Greece, Italy, Turkey and Yugoslavia. Seeds collected by D.E. Symon, Adelaide University, and presented by the Waite Agricultural Institute, Adelaide University, Adelaide, Australia.

Collected 1956, received April 25, 1960.

**264838 to 264862. AVENA SATIVA L. Poaceae.** **Common oats.**

**264838.** Col. No. 1114. Near beach east of Herakleon, road to Malia, Crete, Greece.

**264839.** Col. No. 376. Thirty-four km. east of Herakleon, Malia, Crete, Greece.

**264840.** Col. No. 398. Below Anoyia, Crete, Greece.

**264841.** Col. No. 103. Herakleon-Phaestos road, near Goirnes, Crete, Greece.

**264842.** Col. No. 221. Heavy, pale clay, Suda Bay, near Kalives, Crete, Greece. Oats uniform.

**264843.** Col. No. 204. Hard red soil, sea coast, Suda Bay, near Kalami, Crete, Greece.

**264844.** Col. No. 85. South coast beach near Kokkinos Pirgos, Crete, Greece.

**264845.** Col. No. 83. White clay near Hagia Triade, south coast, Crete, Greece.

**264846.** Col. No. 440. Sea level near town, Paros, Greece. Gleanings.

**264847.** Col. No. 502. Upland plateau, three km. from Isodoros, Rhodes, Greece.

**264848.** Col. No. 516. North coast, 32 km. from Rhodes, Rhodes, Greece.

**264838 to 265019—Continued****264838 to 264862—Continued**

264849. Col. No. 588. Near Makri seacoast, 12 km. west of Alexandropolis, north coast, Greece.
264850. Col. No. 627. Near Nea Dorkas, Serrai to Salonika, north Greece. Crop uniform.
264851. Col. No. 649. Near Vasilika, Salonika to Polygros, northern Greece.
264852. Col. No. 760. Near Demir, Kaplija, Evzoni to Katlanova, south Yugoslavia.
264853. Col. No. 788. Fifteen km. north of Skopje, south Yugoslavia.
264854. Col. No. 711. Fifteen km. east of Arnea, north Greece.
264855. Col. No. 821. Forty-three km. north of Skopje, south Yugoslavia.
264856. Col. No. 830. Near Sura Rika, 28 km. north of Stimilje, south Yugoslavia. Crop diseased.
264857. Col. No. 911. Red limestone soil near Vrgorac, 16 km. east of Ljubuski, east Yugoslavia.
264858. Col. No. 917. Near Omis, 40 km. north of Makarska, Yugoslavia. Weed in barley field.
264859. Col. No. 945. Thirty-four km. north of Sibenik towards Gospik, Yugoslavia. Crop uniform.
264860. Col. No. 981. Near Brusave, south of Gospic, Yugoslavia. Elevation 600 meters. Moist forest.
264861. Col. No. 1053. Near Zdihoa, Rijeka to Zagreb, Yugoslavia. Elevation 200 meters.
264862. Col. No. 1237. Plain of Kopias, near Ay, Georgios, Greece.

**264863. AVENA sp.**

Col. No. 337. Near Venerato, Herakleon-Phaestos road, Crete, Greece.

**264864 to 264879. HORDEUM DISTICHON L. Poaceae. Two-rowed barley.**

264864. Col. No. 1161. Steep shale area near Passo di Ciso, Italy. Elevation 1,041 meters.
264865. Col. No. 1116. Heavy soil near Passo di Ciso, Italy. Elevation 840 meters. Awns broad, long.
264866. Col. No. 6/7-1. Two km. northwest of Erzincan, Turkey.
264867. Col. No. 6/2-. Source unknown, probably Turkey.
264868. Col. No. 21/6-8. Forty-five km. east of Nazibli-Denizli, Turkey.
264869. Col. No. 4/7-1. Source unknown, probably Turkey.
264870. Col. No. 30/6-6. Sixty-eight km. northeast of Elazig, Turkey.
264871. Col. No. 29/6-6. Twenty-seven km. southwest of Malatya, Turkey. Elevation 1,400 meters.
264872. Col. No. 22/6-4. Fifty-three km. northeast of Denizli-Dinar, Turkey. Elevation 950 meters.
264873. Col. No. 22/6-2. Twenty-five northeast of Denizli-Dinar, Turkey. Elevation 500 meters.
264874. Col. No. 829. Twenty-eight km. north of Stimilje, Yugoslavia. Soil a heavy clay.
264875. Col. No. 961. Kavst Mountain field, 47 km. north of Benkorac, Yugoslavia.



## 264838 to 265019—Continued

## 264864 to 264879—Continued

264876. Col. No. 919. Sea level near Omis, 40 km. north of Mawarska, Yugoslavia.
264877. Col. No. 988. Near Sinoka Kula, 10 km. from Gospic, Yugoslavia. Elevation 500 meters.
264878. Col. No. 789. Twenty-five km. north of Skopje, Yugoslavia.
264879. Col. No. 966. Thirty-four km. east of Karlobag, road to Gospic, Yugoslavia.

264880 to 264926. HORDEUM VULGARE L. Poaceae Barley.

264880. Col. No. 112. Near Venerato, 24 km. inland from Herakleon, Crete, Greece.
264881. Col. No. 113. Beach, 10 km. from Herakleon, road to Malia, Greece.
264882. Col. No. 218. Coastal field, near Kalives, Suda Bay, Crete, Greece.
264883. Col. No. 225. Coastal field, near Kalives, Suda Bay, Crete, Greece.
264884. Col. No. 240. Near Petges, road from Carea to Sphakia, central Crete, Greece.
264885. Col. No. 336. Near Venerato, inland from Herakleon, Crete, Greece.
264886. Col. No. 371. Red silty soil, near Malia, 34 km. from Herakleon, Crete, Greece. Sea level.
264887. Col. No. 382. Above Anoyia, Crete, Greece. Elevation 800 meters.
264888. Col. No. 8. Near Lake Leutini, Sicily, Italy.
264889. Col. No. 21. Heavy clay soil, 8 km. west of Advano, Sicily, Italy. Elevation 400 meters.
264890. Col. No. 24. Heavy clay soil, 8 km. west of Advano, Sicily, Italy. Elevation 400 meters.
264891. Col. No. 1008. Irrigated field, 2 km. north of Madragone, Italy.
264892. Col. No. 1081. From Stazione Sperimentale Agricoltura, Catania, Italy. 'Buselmorre'.
264893. Col. No. 1086. Fifteen km. from Syracuse, road to Catania, Sicily, Italy.
264894. Col. No. 1160. Sandy shore near Cape Stilo, Italy.
264895. Col. No. 1227. Korfu Island, Greece.
264896. Col. No. 84. Pale friable clay near Hagia Triada, Crete, Greece.
264897. Col. No. 86. Beach near Kokkinos Pirgos, Crete, Greece. A weed in an oatfield.
264898. Col. No. 10/7-3. Twelve km. east of Haymana-Eskisehir, Turkey. Elevation 1,100 meters.
264899. Col. No. 29/6-8. Forty-nine km. northeast of Malatya-Elazig, Turkey.
264900. Col. No. 8/7-2. Nine km. southwest of Yozgat-Ankara, Turkey. Elevation 1,000 meters.
264901. Col. No. 912. Twenty-nine km. north of Ljubuski, Yugoslavia.
264902. Col. No. 209. Filotti, Naxos Island, Greece.
264903. Col. No. 443. Between Thira and the east coast, Santorini Island, Greece.

## 264838 to 265019—Continued

## 264880 to 264926—Continued

264904. Col. No. 520. Threshing floor, seven km. from Isidoras, Rhodes Island, Greece.
264905. Col. No. 528. Coastal plain, 20 km. from Rhodos, road to Salakes, Rhodes Island, Greece.
264906. Col. No. 503. Threshing floor, upland plateau, 3 km. from Isidoros, Rhodes Island, Greece.
264907. Col. No. 557. Terraced Kea Island, Greece. A good malt barley.
264908. Col. No. 594. Porto Lago, north Greece.
264909. Col. No. 585. Seacoast near Makri, 12 km. west of Alexandropolis, north Greece.
264910. Col. No. 575. Near Alexandropolis airfield, north Greece.
264911. Col. No. 700. Valley, 12 km. east of Arnea, north Greece.
264912. Col. No. 663. Gerakini, Longas Peninsula, north Greece.
264913. Col. No. 762. Seven km. north of Demir, Kaplija, Yugoslavia.
264914. Col. No. 736. Twenty-one km. from Verrai, north Greece. Elevation 1,200 meters.
264915. Col. No. 628. Near Nea Dorkas, north Greece.
264916. Col. No. 893. Gray-brown soil, 29 km. north of Dubrovnik, Yugoslavia. Sea level.
264917. Col. No. 828. Heavy clay, 28 km. north of Stimilje, Yugoslavia.
264918. Col. No. 960. Forty-seven km. north of Benkorac, Yugoslavia.
264919. Col. No. 918. Near Omis, 40 km. north of Makarska, Yugoslavia.
264920. Col. No. 907. Limestone soil, Kavst Mountains, two km. from Ljubuski, Yugoslavia.
264921. Col. No. 932. Red soil pockets, Kavst Mountains, near Perkoric, 38 km. north of Split, Yugoslavia.
264922. Col. No. 1051. Near Skrad, Rijeka-Zagreb road, Yugoslavia. Elevation 600 meters.
264923. Col. No. 1046. Near Pozin, south of Rijeka, Yugoslavia. Elevation 160 meters.
264924. Col. No. 8/7. 2.9 km. southwest of Yozgat-Ankara, Turkey. Elevation 1,050 meters.
264925. Col. No. 486. Delos Island, Greece.
264926. Col. No. 1008. 1.8 km. north of Madragone, Italy.
- 264927 to 264948. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
264927. Col. No. 220. Suda Bay, near Kalives, Crete, Greece.
264928. Col. No. 367. Irrigated, dark red, silty soil, Malia, north coast of Crete, Greece. Sea level.
264929. Col. No. 374. Irrigated, dark red, silty soil, Malia, north coast of Crete, Greece. Sea level.
264930. Col. No. 374. Irrigated, dark, silty soil, Malia, north coast of Crete, Greece. Sea level.
264931. Col. No. 383. Anoyia, Crete, Greece. Elevation 800 meters.
264932. Col. No. 383. Anoyia, Crete, Greece. Elevation 800 meters.
264933. Col. No. 339. Rocky hill below Anoyia, Crete, Greece.

**264838 to 265019—Continued****264927 to 264948—Continued**

264934. Col. No. 399a. Rocky hill below Anoyia, Crete, Greece.
264935. Col. 314. Mesava Plain Exp. Sta., Crete, Greece.
264936. Col. No. 80. Heavy white clay near Phaestos, south coast of Crete, Greece. Plants uniform.
264937. Col. No. 81. Near Phaestos, south coast of Crete, Greece.
264938. Col. No. 107. Heavy gray soil near Athanatoi, Herakeleon-Phaestos road, Crete, Greece.
264939. Col. No. 111. Near Venerato, Herakeleon-Phaestos road, Crete, Greece.
264940. Col. No. 111a. Near Venerato, Herakeleon-Phaestos road, Crete, Greece.
264941. Col. No. 22. Heavy soil, eight km. west of Advano, Sicily, Italy.
264942. Col. No. 22a. Heavy soil, eight km. west of Advano, Sicily, Italy.
264943. Col. No. 35. Sea slope, two km. east of Bora Marina, southern Italy.
264944. Col. No. 43. Coast 30 km. south of Patras, west Greece. Improved variety.
264945. Col. No. 1061. Stazione Sperimentale Agricoltura, Catania, Sicily, Italy.
264946. Col. No. 1032. Near Fiumefreddo, between Southern Lucida and Amantea, Italy.
264947. Col. No. 1060. Stazione Sperimentale Agricoltura, Catania, Sicily, Italy. 'Duro S G 3'.
264948. Col. No. 1062. Stazione Sperimentale Agricoltura, Catania, Sicily, Italy. 'Rusello SG'.
- 264949 to 264951. *TRITICUM DURUM* Desf. Durum wheat.
264949. No. 89. Col. No. 1065. 'Cappelli'.
264950. No. 90. Col. No. 1066. 'Pavone'.
264951. No. 91. Col. No. 1067. 'Timilia'.
264952. *TRITICUM TURGIDUM* L. Poulard wheat.
- No. 92. Col. No. 1068. 'Bufala Rossa'
264953. *TRITICUM AESTIVUM* L. Common wheat.
- No. 93. Col. No. 1070. 'Floran'.
264954. *TRITICUM TURGIDUM* L. Poulard wheat.
- No. 94. Col. No. 1071. 'Bufala Nera'
- 264955 to 264958. *TRITICUM DUBUM* Desf. Durum wheat.
264955. No. 95. Col. 1074. 'Scorsonera'.
264956. No. 96. Col. No. 1075. 'Regina'.
264957. No. 97. Col. No. 1077. 'Ruscia'.
264958. No. 98. Col. No. 1078. 'Farro Lungo'.
- 264959 to 265018. *TRITICUM AESTIVUM* L. Common wheat.
264959. Col. No. 914. Twenty-two km. from Makarska, road to Dubrovnick, Yugoslavia. Elevation 750 meters.
264960. Col. No. 941. Near Sibenik, Yugoslavia.



## 264838 to 265019—Continued

## 264959 to 265018—Continued

264961. Col. No. 954. Near Benkovac, Yugoslavia.
264962. Col. No. 1004. Near Dubin, Gospic-Senj road, Yugoslavia.
264963. Col. No. 986. Near Sinoka Kula, 10 km. from Gospic, road to Senj. Elevation 500 meters.
264964. Col. No. 1010. Gospic-Senj road, Yugoslavia.
264965. Col. No. 1/7-2. Nine km. east of Bingol, Turkey.
264966. Col. No. 1/7-. Probably from Turkey.
264967. Col. No. 4/7-1. Probably from Turkey.
264968. Col. No. 8/7-1. Five km. west of Sorgun-Ankara. Elevation 1,050 meters.
264969. Col. No. 5/7-1. Twenty-three km. southeast of Bayburt, Turkey. Elevation 2,000 meters.
264970. Col. No. 6/7-8. Twenty-three km. northwest of Refahiye, Turkey. Elevation 1,325 meters.
264971. Col. No. 8/7-1. Five km. west of Sorgun-Ankara, Turkey. Elevation 1,050 meters.
264972. Col. No. 8/7-8. Twenty-six km. west of Kirikkale, Turkey. Elevation 1,050 meters.
264973. Col. No. 8/7-4. Seventy-eight km. west of Yozgat, Turkey. Elevation 650 meters.
264974. Col. No. 8/7-8. Twenty-six km. west of Kirikkale, Turkey.
264975. Col. No. 21/6-7. Thirty-seven km. east of Nazilli-Denizli, Turkey.
264976. Col. No. 10/7-3. Twelve km. west of Haymana Eskisehir, Turkey. Elevation 1,100 meters.
264977. Col. No. 22/6-1. Two km. north of Denizli, Turkey.
264978. Col. No. 23/6-6. Thirty-five km. northeast of Osmaniye, Turkey. Elevation 850 meters.
264979. Col. No. 26/6. Probably from Turkey.
264980. Col. No. 24/6-1. East of Antalya, Turkey.
264981. Col. No. 22/6-7. Twenty-four km. southwest of Dinar, Turkey.
264982. Col. No. 29/6-8. Forty-nine km. northeast of Malatya, Turkey.
264983. Col. No. 29/6-3. Probably from Turkey. Elevation 1,050 meters.
264984. Col. No. 28/6-10. Forty-four km. from Maras Malatya, Turkey. Elevation 850 meters.
264985. Col. No. 30/6-3. Fifteen km. east of Elazig, Turkey.
264986. No data.
264987. Col. No. 788. Near Katlanova, south Yugoslavia. Poor but uniform wheat.
264988. Col. No. 55. Plain of Kopais, Greece.
264989. Col. No. 106. Near Athanatoi, Herakleon-Phaestos road, Crete, Greece.
264990. Col. No. 486. Near Ay, Delos Island, Greece. Irrigated.
264991. Col. No. 504. Threshing floor near Isidoros, Rhodes, Greece.
264992. Col. No. 564. Mill above village of Kea, Kea Island, Greece.

**264838 to 265019—Continued****264959 to 265018—Continued**

264993. Col. No. 710. Moist area 15 km. east of Arnea, north Greece. Brown types dominant.
264994. Col. No. 519. Threshing floor seven km. from Isidoras, north Rhodes, Greece.
264995. Col. No. 529. Twenty km. from Rhodes, north coast of Rhodes, Greece.
264996. Col. No. 579. Near Alexandropolis aerodrome, north Greece.
264997. Col. No. 581. Heavy clay soil near Alexandropolis, north Greece.
264998. Col. No. 628. Moist hills near Nea Dorkas, north Greece.
264999. Col. No. 631. Moist hills near Nea Dorkas, north Greece.
265000. Col. No. 635. Forty-six km. southeast of Lachanas, Serai-Salonika road, north Greece.
265001. Col. No. 737. Cultivated field 21 km. from Verrai, north Greece. Elevation 1,200 meters.
265002. Col. No. 820. Forty-three km. north of Skopje, Yugoslavia.
265003. Col. No. 827. Heavy clay near Sura Raka, 28 km. north of Stimilje, Yugoslavia.
265004. Col. No. 831. Near Zrze, 20 km. from Prizen, Yugoslavia. Wheat uniform.
265005. Col. No. 833. Near Zrze, 20 km. from Prizen, Yugoslavia.
265006. Col. No. 838. Agricultural Research Station, Pec, north Yugoslavia. A good variety; the standard for local trials.
265007. Col. No. 860. Limestone mountains east of Titograd, Yugoslavia.
265008. Col. No. 903 Kavst Mountains, two km. from Ljubuski, Yugoslavia.
265009. Col. No. 904. Kavst Mountains, two km. from Ljubuski, Yugoslavia.
265010. Col. No. 905. Kavst Mountains, two km. from Ljubuski, Yugoslavia.
265011. Col. No. 910. Red soils near Vrgorac, 16 km. from Ljubuski.
265012. Col. No. 214. Filotti, middle of Naxos Island, Greece.
265013. Col. No. 4/7-1. Probably from Turkey.
265014. Col. No. 16/6-1. Probably from Turkey.
265015. Col. No. 30/6-2. Thirteen km. east of Elazig, Turkey. Elevation 1,000 meters.
265016. Col. No. 505. Upland plateau near Isidoros, north coast of Rhodes, Greece.
265017. Col. No. 796. Twenty-five km. north of Skopje, Yugoslavia.
265018. Col. No. 45. Near Agrinion, north of Mesalongion, Greece.

**265019. TRITICUM sp.**

Col. No. 216. Near Kalives, Suda Bay. Crete, Greece.

**265020 to 265024.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Apr. 25, 1960.

**265020 to 265024—Continued**

265020. *BOTHRIOCHOLA INTERMEDIA* (R. Br.) A. Camus Poaceae.

No. I.W. 1138.

265021. *BOTHRIOCHLOA PERTUSA* (L.) A. Camus

No. I.W. 1079.

265022. *CAPILLIPEDIUM GLAUCOPSIS* Stapf Poaceae.

No. Ago-67.

265023. *DICHANTHIUM ANNULATUM* (Forsk.) Stapf Poaceae.

No. I.C. 2138.

265024. *SORGHUM HALEPENSE* (L.) Pers. Poaceae.

**Johnsongrass.**

**265025 and 265026.**

From Belgium. Seeds presented by the Hortus Botanicus Lovaniensis, Louvain. Received Apr. 25, 1960.

265025. *ALOPECURUS PRATENSIS* L. Poaceae.

**Meadow foxtail.**

265026. *CAREX* sp. Cyperaceae.

**265027 to 265044.**

From Germany. Plants presented by G. D. Bohlje, Baumschulen, Westerstede. Received Apr. 18, 1960.

265027. *ABIES CILICICA* (Ant. & Kotschy) Carr. Pinaceae.

265028 and 265029. *CORNUS KOUSA* var. *CHINENSIS* A. Osborn Cornaceae.

265028. 'Bruns Type 1.'

265029. 'Bruns Type II.'

265030. *COTONEASTER PRAECOX* Hort. Malaceae.

'Hessei'

265031. *COTONEASTER SALICIFOLIA* Franch

'Parteppich'.

265032. *COTONEASTER STERNIANA* (Turr.) Boom

265033. *COTONEASTER* × *WATERERI* Exell.

'Herbstgeuer'.

265034. *JUNIPERUS COMMUNIS* L. Pinaceae.

**Common juniper.**

'Laxa'.

265035. *LONICERA* × *BROWNII* (Reg.) Carr. Caprifoliaceae.

'Fuchsioides'.

265036. *PICEA* × *MARIORICA* Boom Pinaceae.

'Bruns'.

265037. *PICEA* (hybrid).

(*P. omorika* × *P. breweriana*)

265038. *PINUS CEMBRA* var. *SIBIRICA* Loud.

265039. *POTENTILLA FRUTICOSA* L. Rosaceae.

**Shrubby cinquefoil.**

'Lady Daresborough'.

265040. *THUJA OCCIDENTALIS* L. Pinaceae.

'Malonyana'.

265041. *THUJA PLICATA* D. Don

'Variegata'.



**265027 to 265044—Continued**

265042. *TILIA MIQUELIANA* Maxim. Tiliaceae. Mongolian linden.  
 265043. *TILIA MONGOLICA* Maxim.  
 265044. *TSUGA HETEROPHYLLA* (Raf.) Sarg. Pinaceae.  
 'Conica'.

**265045 to 265052.**

From Canada. Plants presented by Skinner's Nursery Limited, Manitoba.  
 Received, Apr. 26, 1960.

- 265045 and 265046. *CLEMATIS INTEGRIFOLIA* L. Ranunculaceae.

265045. Bell type.

265046. 'Blue Boy' type.

- 265047 to 265049. *CLEMATIS MACROPETALA* Ledeb.

265047. Blue.

265048. Dark blue.

265049. White.

265050. *CLEMATIS* (hybrid).

(*C. recta* × *C. dioscoreifolia* var. *robusta*).

265051. *CLEMATIS* (hybrid).

(*C. texensis* × *C. integrifolia*).

265052. *CLEMATIS* (hybrid).

(*C. virginiana* × *C. ligusticifolia*).

**265053 and 265054. GOSSYPIUM (hybrids). Malvaceae.**

**Cotton.**

From Korea. Seeds presented by the Department of Agronomy, Chunchon  
 Agricultural College, Chunchon, Kangwon-Do. Received Apr. 26, 1960.

265053. 'Mok-Po No. 3.'

265054. 'Mok-Po No. 4.'

**265055 to 265098.**

From Great Britain. Plants presented by the Royal Botanic Gardens, Kew,  
 Surrey, England. Received Apr. 27, 1960.

265055. *ANGIOPTERIS HYPOLEUCA* DeVries Marattiaceae.

265056. *MANDEVILLA SANDERI* (Hemsl.) Woods. Apocynaceae.

265057. *GLOBBA WINITTI* C. H. Wright Zingiberaceae.

- 265058 to 265086. *ILEX AQUIFOLIUM* L. Aquifoliaceae. English holly.

265058. 'Angustifolium'.

265059. 'Argentea-Marginata Pendula'. (Pistillate).

265060. 'Argentea Medio-Picta'. (Pistillate).

265061. 'Silver Queen'. (Staminate.)

265062. 'Silver Queen'. (Staminate.)

265063. 'Aurea-Marginata'. (Pistillate.)

265064. 'Aurea-Marginata Fructo-Luteo'. (Pistillate.)

265065. 'Aurea Medio-Picta Latifolia.'

265066. 'Aureo-Regina'. (Staminate.)

265067. 'Aurifodina' (Pistillate.)

265068. 'Bicolor'.

**265055 to 265098—Continued****265058 to 265086—Continued**

- 265069. 'Ciliata Major'.
- 265070. 'Cookii'. (Pistillate.)
- 265071. 'Crassifolia'. (Pistillate.)
- 265072. 'Crispa'.
- 265073. 'Crispa Picta'.
- 265074. 'Ferox'. (Staminate.)
- 265075. 'Ferox-Argentea'. (Staminate.)
- 265076. 'Flavescens'. (Pistillate.)
- 265077. 'Fructo-Luteo'. (Pistillate.)
- 265078. 'Handsworth New Silver'. (Staminate.)
- 265079. 'Latispina Major'. (Staminate.)
- 265080. 'Mundyi'. (Staminate.)
- 265081. 'Myrtifolia Aurea'. (Staminate.)
- 265082. 'Oak Vale'. (Staminate.)
- 265083. 'Ovata'. (Staminate.)
- 265084. 'Pendula'. (Pistillate.)
- 265085. 'Recurva'. (Staminate.)
- 265086. 'Scotia'. (Staminate.)

**265087 to 265093. ILEX × ALTACLARENSIS Dallim.**

- 265087. 'Camelliaefolia'. (Pistillate.)
- 265088. 'Foxii'. (Staminate.)
- 265089. 'Golden King'. (Pistillate.)
- 265090. 'Hodginsii'. (Pistillate.)
- 265091. 'Morei'. (Staminate.)
- 265092. 'Nigrescens'.
- 265093. 'Smithiana'. (Staminate.)

**265094. ILEX sp.**

No. 324.

**265095. ILEX sp.**

No. 387. Wilson 1822.

**265096. IMPATIENS WALLERIANA Hook. f. Balsaminaceae.**

'Bergeriana'.

**265097. PERISTROPHE SPECIOSA Nees. Acanthaceae.****265098. TAPEINOCHEILOS ANANASSAE K. Schum. Zingiberaceae.****265099 to 265104. HELIANTHUS ANNUUS L. Asteraceae.****Sunflower.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry. Received Apr. 27, 1960.

- 265099. No. 1646. Maturity 90 to 95 days; oil content 44 to 49 percent.
- 265100. No. 8281. Maturity 90 to 95 days; oil content 42 to 46 percent.
- 265101. No. 9343. Maturity 86 to 90 days; oil content 44 to 49 percent.
- 265102. No. 9345. Maturity 86 to 90 days; oil content 44 to 49 percent.

**265099 to 265104—Continued**

265103. No. 8883. Maturity 86 to 90 days; oil content 42 to 46 percent.

265104. No. 66. Maturity 84 to 88 days; oil content 42 and 46 percent; plant dwarf; less productive.

**265105 to 265106. SORGHUM BICOLOR (L.) Moench Poaceae.**

From Nigeria. Seeds presented by Harold A. Royer, Waka via Biu and Jos. Received Apr. 27, 1960.

265105. 'Jerima'.

265106. 'Whuthlikelisu Garkeda'.

**265107 to 265116. ORYZA SATIVA L. Poaceae.**

From Poland. Seeds presented by the Institute of Agriculture, Department of Breeding Biology, Pulaway. Received Apr. 27, 1960.

265107. M-2.

265112. 'Italica Ooba'.

265108. 'Italica Agostano'.

265113. 'Italica Oobie'.

265109. 'Italica Banloc'.

265114. 'Erythroceros Hokkaido'.

265110. 'Italica Carolina'.

265115. 'Erythroceros Ramsz'.

265111. 'Italica M-1'.

265116. 'Zerawschanica Karatalski'.

**265117 to 265128.**

From British Honduras and Cuba. Seeds collected by S.G. Stephens, Crops Research Division, Beltsville, Md. Received Apr. 27, 1960.

Collected in Cuba unless otherwise noted.

265117 and 265118. *GOSSYPIUM BARBADENSE* L. Malvaceae.

Sea-island cotton.

265117. No. B139. Santiago.

265118. No. B143. Southeast of Camaguey.

265119 to 265128. *GOSSYPIUM HIRSUTUM* L.

Upland cotton.

265119. No. H135. Santiago de Cuba. Dry gulch, Finca Pavada, about three miles west of Santiago.

265120. No. H136. Siboney.

265121. No. H137. Siboney.

265122. No. H138. Siboney, wasteland near cliff-edge houses.

265123. No. H140. Santiago.

265124. No. H141. Roadside northeast of Camaguey.

265125. No. H142. Roadside northeast of Camaguey.

265126. No. H144. Southeast of Camaguey.

265127. No. H254. Thirty miles north of Belize, Orange Walk Road, British Honduras.

265128. No. H255. Twenty-eight miles north of Belize, British Honduras.

**265129. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From Italy. Seeds purchased in Bologna by the Foreign Operations Administration, Rome. Received Apr. 28, 1960.

**265130 to 265183.**

From British Honduras and Nicaragua. Seeds collected by S.G. Stephens, Crops Research Division, Beltsville, Md.

Collected in British Honduras unless otherwise noted.



**265130 to 265183—Continued****265130 to 265133. GOSSYPIUM BARBADENSE L. Malvaceae.****Sea-island cotton.**

- 265130. No. B204. Yard, Puerto Cortes, Carribean side. Kidney type.
- 265131. No. B207. Yard, Villa Nueva, Carribean side. Kidney type.
- 265132. No. B231. Yard, Stann Creek. Kidney type.
- 265133. No. B233. Pomona roadside. Kidney type.

**265134 to 265163. GOSSYPIUM HIRSUTUM L.****Upland cotton.**

- 265134. No. H200. Yard, Choluteca, Pacific side.
- 265135. No. H201. Yard, San Lorenzo, Pacific side.
- 265136. No. H202. Yard, San Lorenzo, Pacific side.
- 265137. No. H203. Yard, San Pedro Sula, Caribbean side.
- 265138. No. H205. Yard, San Pedro Sula, Caribbean side.
- 265139. No. H206. Yard, Villa Nueva, Caribbean side.
- 265140. No. H208. Yard, Villa Nueva, Caribbean side.
- 265141. No. H209. Villa Nueva, Caribbean side.
- 265142. No. H210. San Pedro Sula, Caribbean side.
- 265143. No. H211. Potrerillos, Caribbean side.
- 265144. No. H212. Potrerillos, Caribbean side.
- 265145. No. H213. Potrerillos, Caribbean side.

**265146 to 265155. From Nicaragua. (Pacific side).**

265146. No. H214. Commercial sample from Chinandega, the Coastal area north of Managua, producing cotton as the principal crop.

265147. No. H215. Puerto Corinto.

265148. No. H216. Puerto Corinto.

265149. No. H217. Granada.

265150. No. H218. Along dry stream bed near lake shore, yard, Managua. Apparently wild, in back of mangrove swamp; lint brown.

265151. No. H219. Paso Cabullos, two miles inland from Pacific coast. Apparently wild, lint brown.

265152. No. H220. Paso Cabullos, two miles inland from Pacific coast. Apparently wild; lint brown.

265153. No. H221. Isla de Maiz, 50 miles off Bluefield Coast.

265154. No. H222. About 0.5 mile south of Corn Island. Year round type.

265155. No. H223. Yard, Juigalpa, highlands east of Lake Nicaragua.

265156. No. H224. Belize yard.

265157. No. H225. Belize yard.

265158. No. H226. Belize yard.

265159. No. H227. Belize wasteland.

265160. No. H228. Belize yard.

265161. No. H229. Stann Creek yard.

265162. No. H230. Stann Creek yard.

265163. No. H232. Drainage ditch, Stann Creek.

## 265130 to 265183—Continued

265164 to 265169. *GOSSYPIUM BARBADENSE* L. Malvaceae. Sea-island cotton.

265164. No. B234. Pomona, Stann Creek valley. Kidney type.  
 265165. No. B235. Three miles inland from Punta Gorda.  
 265166. No. B237. Machaca, one mile past Forest Reserve. Kidney type.  
 265167. No. B238. Village of San Antonio. Kidney type.  
 265168. No. B250. Two miles from Orange Walk village.  
 265169. No. B253. Maskall.

265170 to 265183. *GOSSYPIUM HIRSUTUM* L. Upland cotton.

265170. No. H236. Two miles south of Punta Gorda.  
 265171. No. H239. San Antonio yard.  
 265172. No. H240. San Antonio yard.  
 265173. No. H241. San Antonio yard.  
 265174. No. H242. San Antonio yard.  
 265175. No. H243. From San Pedro, Columbia.  
 265176. No. H244. Corozal, yard, Yucatan border.  
 265177. No. H245. Corozal yard.  
 265178. No. H246. Corozal yard.  
 265179. No. H247. Corozal wasteland.  
 265180. No. H248. Corozal wasteland.  
 265181. No. H249. Pachakan, six miles from Corozal.  
 265182. No. H251. Two miles from Orange Walk village.  
 265183. No. H252. Maskall.

## 265184 to 265207.

From Germany. Plants purchased from H. A. Hesse, Baumschulen, Weener. Received Apr. 27, 1960.

265184. *ABIES BALSAMEA* (L.) Miller Pinaceae. Balsam fir.  
 'Globosa'.

265185. *ABIES HOMOLEPIS* Sieb. & Zucc. Nikko fir.  
 'Umbellata'.

265186. *ABIES* × *VILMORINII* Masters

265187. *CEDRUS DEODARA* (Lamb) Loud. Pinaceae. Deodar cedar.  
 'Albo Spica'.

265188. *CEDRUS LIBANII* subsp. *STENOCOMA* (Schwarz) Davis

265189 to 265192. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Pinaceae. Lawson falsecypress.

265189. 'Globosa'.  
 265190. 'Monumentalis Nova'.  
 265191. 'Pulcherrina'.  
 265192. 'Spek'.

265193 to 265195. *PICEA ABIES* (L.) Karst. Pinaceae. Norway spruce.

265193. 'Acronona'.  
 265194. 'Cranstoni'.  
 265195. 'Mariae-Orffiae'.

## 265184 to 265207—Continued

265196. *PICEA MARIANA* (Mill.) B.S.P.

'Beissneri'.

265197. *PICEA ORIENTALIS* f. *AUREO-SPICATA* Beissner265198 and 265199. *PICEA PUNGENS* Engelm.

265198. 'Glaucæ Endtzi'.

265199. 'Glaucæ Procumbens'.

265200. *PINUS CEMBRA* L. Pinaceae.

Swiss stone pine.

'Pygmaea'.

265201. *PINUS DENSIFLORA* Sieb. & Zucc.

Japanese red pine.

'Pumila'.

265202. *PINUS LEUCODERMIS* Antoine

'Aureo-spicata'.

265203. *PINUS PARVIFLORA* Sieb & Zucc.

Japanese white pine.

'Brevifolia'.

265204. *PINUS STROBUS* L.

'Nivea'.

265205. *PINUS SCHIVERINII* Fitschen265206. *SEQUOIA GIGANTEA* (Lindl.) Dcne. Pinaceae.

'Pyramidalis Glaucæ'.

265207. *TAXUS BACCATA* L. Taxaceae.

'Hesse'.

## 265208 to 265300.

From Germany. Plants purchased from H. A. Hesse, Baumshulen, Weener.  
Received May 2, 1960.

265208. *ABIES LASIOCARPA* var. *ARIZONICA* (Merriam) Lemm. Pinaceae.

'Argentea'.

265209. *ABIES MARIEII* Masters

Maries fir.

265210. *ABIES* × *VILMORINII* Masters Pinaceae.265211 and 265212. *ACER PALMATUM* Thunb. Aceraceae.

Japanese maple.

265211. 'Frederic-Guilelmi'.

265212. 'Schewrinii'.

265213. *ALANGIUM PLATANIFOLIUM* (Sieb & Zucc.) Harms. Cornaceae.265214 to 265219. *ATHYRIUM FILIX-FEMINA* (L.) Roth. Polypodiaceae.

265214. 'Bisfurcatum'.

265215. 'Friseliae'.

265216. 'Graminicon'.

265217. 'Monstresum'.

265218. 'Multidentatum'.

265219. 'Pseudo-victorae'.

265220. *BERBERIS VEITCHI* C. Schneid. Berberidaceae.265221. *BUDDLEIA DAVIDII* var. *NAHFESIS* (Chittend.) Rehder Loganiaceae.265222. *BUDDLEIA DAVIDII* var. *VEITCHIANA* Rehder



## 265208 to 265300—Continued

265223. CHAMAECYPARIS LAWSONIANA (Murray) Parl. Pinaceae.  
 'Schoongariana'. Lawson falsecypress.
265224. CHAMAECYPARIS LAWSONIANA (Murray) Parl. Beissner  
 'Glaucæ Argentea'. Lawson falsecypress.
265225. CHAMAECYPARIS NOOTKATENSIS (Lambert) Spach  
 'Viridis'. Nonootka cypress.
- 265226 and 265227. CHAMAECYPARIS PISIFERA (Sieb. & Zucc.) Endl.  
 265226. 'Dwarf Blue'.  
 265227. 'Argenteo variegata'.
265228. CHAMAECYPARIS THYOIDES (L.) BSP.  
 'Atrovirens'.
265229. CLEMATIS HERACLEIFOLIA DC. Ranunculaceae. Tube clematis.
265230. CLEMATIS KOREANA Komar.
265231. CLEMATIS TANGUTICA (Maxim.) Krosch. Golden clematis.
- 265232 to 265233. COTONEASTER HORIZONTALIS Decaisne Malaceae.  
 265232. 'Saxatilis'.  
 265233. 'Variegata'.
- 265234 to 265236. CRYPTOMERIA JAPONICA (L.f.) D. Don Pinaceae.  
Common cryptomeria.
265234. 'Pungens'.  
 265235. 'Pyramidata'.  
 265236. 'Viminalis'.
265237. CRYPTOMERIA JAPONICA (L.f.) D. Don Common cryptomeria.  
 'Araucarioides'.
- 265238 to 265241. DRYOPTERIS FILIX-MAS (L.) Schott Polypodiaceae.  
 265238. 'Daedalea'.  
 265239. 'Erosa Crenata'.  
 265239. 'Erosa Crenata'.  
 265240. 'Furcans'.  
 265241. 'Linearis Polydactylon'.
265242. DRYOPTERIS PALEACEA (Moore) Hand.-Mazz.  
 'Polydactyla'.
265243. DRYOPTERIS FILIX-MAS (L.) Schott  
 'Sugintegra'.
265244. EPHEDRA FRAGILIS Desf. Gnetaceae. Jointfir.
265245. EPHEDRA FRAGILIS var. CAMPYLOPODA (C.A.Mey.) Stapf
265246. EPHEDRA GERARDIANA Wall
265247. EPHEDRA GERARDIANA var. SIKKIMENSIS Stapf
265248. EUPTHELEA PLEIOSPERMA Hook. & Thomp. Trochodendraceae.
- 265249 to 265252. FAGUS SILVATICA L. Fagaceae. European beech.
265249. 'Ansargei'.  
 265250. 'Swat Magret'.

## 265208 to 265300—Continued

## 265249 to 265252—Continued

265251. 'Cristata'.

265252. 'Cochleata'.

265253. GINKGO BILOBA L. Ginkgoaceae.  
'Pendula'.265254. HAMAMELIS MOLLIS Oliver Hamamelidaceae.  
Chinese witch-hazel.  
'Feverzauber'.265255 and 265256. ILEX AQUIFOLIUM L. Aquifoliaceae. English holly.  
265255. 'Handsworthensis'.

265256. 'Planifolia'.

265257. ILEX PEDUNCULOSA var. CONTINENTALIS Loes.

265258. JUNIPERUS COMMUNIS var. DEPRESSA Pursh. Pinaceae.

265259. JUNIPERUS MACROCARPA Sibth. &amp; Smith

265260. JUNIPERUS COMMUNIS L. Common juniper.  
'Hils Freiburg'.

265261. LARIX POTANINI Batal. Pinaceae. Chinese larch.

265262. LIGUSTRUM OVALIFOLIUM Hasskarl. Oleaceae.  
'Argenteum'.

265263. LIGUSTRUM STRONGYLOPHYLLUM Hemsley

265264. LONICERA ALSEVOSMOIDES Graebner Caprifoliaceae.

265265. × MACLUDRANIA HYBRIDA Andre Moraceae.

265266. MAGNOLIA STELLATA (Sieb. & Zucc.) Maxim. Magnoliaceae.  
Pinkstar magnolia.

'Rohrbach'.

265267. MICROGLOSSA ALBESCENS (DC.) C. B. Clarke Asteraceae.

265268. PEROVSKIA ABROTANOIDES Karel Menthaceae.

265269. PEROVSKIA ATRIPLICIFOLIA Benth.

265270 and 265271. PICEA ABIES (L.) Karst. Pinaceae.

265270. 'Parviformis'.

265271. 'Tabulaeformis'.

265272. PICEA ASPERATA Masters  
'Glauc'.

265273. PICEA LIKIANGENSIS (Franch) E. Pritz

265274. PICEA POLITA (Sieb. &amp; Zucc.) Carr

265275. PICEA WILSONI Masters

265276. PINUS HELDREICHII var. LEUCODERMIS (Ant.) Markg. Pinaceae.  
'Aureo-spicata'.265277. PINUS STROBUS L.  
'Nivea'.265278. PSEUDOTSUGA MENZIESII (Mirb.) Franco Pinaceae. Douglas-fir.  
'Albospica'.265279. PSEUDOTSUGA MENZIESII var. GLAUCA (Beiss.) Schn.  
'Elegans'.

**265208 to 265300—Continued**

265280. *RHAMNUS FALLAX* Boiss. Rhamnaceae. Veiny buckthorn.  
 265281. *RHAMNUS FRANGULA* L. Glossy buckthorn.

'Asplenifolia'.

265282. *RUBUS HENRYII* Hemsl. & Kuntze Rosaceae.

265283. *RUBUS TRICOLOR* Focke

265284. *SALIX MOUPINENSIS* Franch Salicaceae.

265285. *SEQUIADENDRON GIGANTEUM* (Lindl.) Buchholz Pinaceae.

'Pyramidalis Glauca'.

265286. *SINARUNDINARIA NITIDA* (Mitf.) Nakai Poaceae.

**Bamboo.**

265287. *SPIREA TRILOBATA* L. Rosaceae.

'Grossulariaefolia'.

265288. *SYRINGA AFGHANICA* Schneider Oleaceae.

- 265289 to 265295. *TAXUS BACCATA* L. Taxaceae.

265289. 'Cavendishii'.

265290. 'Davisiae'.

265291. 'Glauca'.

265292. 'Jacksoni'.

265293. 'Kadet'. Type II.

265294. 'Page'. Type IV.

265295. 'Prasident'. Type III.

- 265296 to 265298. *THUJA OCCIDENTALIS* L. Pinaceae.

265296. 'Albo-variegata'.

265297. 'Gracilis'.

265298. 'Stricta'.

265299. *THUJOPSIS DOLOBRATA* var. *HONDAI* Makino Pinaceae.

**False-arborvitae.**

265300. *TSUGA CANADENSIS* (L.) Carr. Pinaceae.

'Minima Hesse'.

**265301 to 265303. *MALUS SYLVESTRIS* Mill. Malaceae. Apple.**

From Denmark. Sicons presented by Count F. M. Knuth, Knuthenborg, Bandholm. Received May 5, 1960.

265301. 'Guldborg'. From Guldborg; widely planted since 1870, but not described until 1911; now obsolete, because of size. Similar to 'Maglemer', but softer and less tasty. Matures late August, early September. Some consider it a Gravenstein seedling.

265302. 'Hoover'. An old American variety, widely planted in Chile where orchards still exist. Apple red striped, or low quality, but productive and easy to handle. From Agriculture School, Angol, Chile.

265303. 'Maglemer'. Original tree found in Maglemer, near Bandholm; first described in 1870. Tree slow growing; fruit 5.5 cm. high, six cm. in diameter; obtuse conical, somewhat irregular, yellow, exposed side striped crimson rose; flesh white; flavor aromatic, good. Season slightly earlier than Gravenstein. Scab-susceptible.

**265304 to 265309.**

From Chile. Plants and seeds collected by M. A. Cox, Agency for International Development, Refugio Llaiama. Received May 5, 1960.

Plants except where otherwise noted.



**265304 to 265309—Continued**265304. *FRAGARIA* sp. Rosaceae.265305. *FRAGARIA* sp.265306. *FRAGARIA* sp.

(Seeds).

265307 to 265309. *RIBES MAGELLANICUM* Poir. Grossulariaceae.

265307. No. 1.

265308. No. 2.

265309. Seeds.

**265310 to 265311.**

From the United States. Plants collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received May 5, 1960.

265310. *AGAVE CHISOSENSIS* Muller Amaryllidaceae.

Col. No. 18469. Chisos Mountain Basin, Big Bend Park, Texas. Mar. 29, 1960. Elevation 5,200 feet. Single or suckering in clumps; leaves straight and stiff; shaft a narrow raceme to 13 feet high.

265311. *AGAVE HARVARDIANA* Trelease

Col. No. 18470. Chisos Mountain Basin, Big Bend Park, Texas. Mar. 29, 1960. Elevation 5,200 feet. Plant large, glaucous gray to light green, open; rosettes suckering; leaves thick, stiff deltoid acuminate; panicles to 20 feet high with 12 to 14 laterals.

**265312 to 265313.**

From the Belgian Congo. Seeds presented by the Division of Pathologic Vegetale, Tananarive, Madagascar. Received May 6, 1960.

265312. *AEGLOPSIS* sp. Rutaceae.

Jardin de Eala Coquilhatville. Tree to 25 feet high; fruit two inches in diameter, hard; seeds many.

265313. *AEGLOPSIS* sp.

Jardin de Eala Coquilhatville.

265314. *RUBUS GEOIDES* J. E. Smith Rosaceae.**Frutilla.**

From Chile. Plants collected by M. L. Cox, Agency for International Development, Refugio Llaiama. Received May 6, 1960.

265315 to 265325. *HIBISCUS CANNABINUS* L. Malvaceae.**Kenaf.**

From Cuba. Seeds presented by the United States Operations Mission, Havana. Received May 6, 1960.

265315. No. 710a.

265321. No. 812.

265316. No. 710b.

265322. No. 816.

265317. No. 712 a-2.

265323. No. 821.

265318. No. 712 a-3.

265324. No. 1475. Brazil type.

265319. No. 809.

265325. No. 2001.

265320. No. 810.

265326. *HIBISCUS CISPLATINUS* St. Hil. Malvaceae.

From Argentina. Seeds presented by the Ministerio de Agricultura, Instituto de Botanica, Buenos Aires. Received May 6, 1960.

265327. *HIBISCUS HETEROPHYLLUS* Vent. Malvaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 6, 1960.

No. Q. 402. Collected in southern Queensland.

**265328 to 265329.**

From Great Britain. Seeds presented by the Royal Botanic Garden, Kew, Richmond, Surrey, England. Received May 6, 1960.

**265328.** *HIBISCUS CAMERONII* Knowles & Westc. Malvaceae.

From Villa Taranto, Pallanza, Italy.

**265329.** *HIBISCUS COSTATUS* A. Rich.

From Singapore Botanic Garden.

**265330 to 265334.** *LAGENARIA LEUCANTHA* (Mol.), Stand.

Cucurbitaceae.

**Calabash gourd.**

From Nigeria. Seeds presented by the Ministry of Agriculture and Natural Resources, Ibadan. Received May 6, 1960.

**265330.** No. 1.

**265333.** No. 4.

**265331.** No. 2.

**265334.** No. 5.

**265332.** No. 3.

**265335 and 265336.** *LOLIUM PERENNE* L. Poaceae.

**Perennial ryegrass.**

From Sweden. Seeds presented by the Swedish Seed Association, Svalof. Received May 6, 1960.

**265335.** 'Svensk 01408 No. S5'.

**265336.** 'Viktoria A No. 8'.

**265337 to 265341.**

From France. Seeds presented by Vilmorin-Andrieux, Paris through the Office of the Agricultural Attache, American Embassy, Paris. Received May 6, 1960.

**265337 to 265339.** *LOLIUM MULTIFLORUM* Lam. Poaceae. **Italian ryegrass.**

**265337.** 'Fa'. Bred by Vilmorin.

**265338.** 'Rina'. Bred by Institut National de Recherches Agronomiques, Versailles.

**265339.** 'Rita'. Bred by Institut National de Recherches Agronomiques, Versailles.

**265340 and 265341.** *LOLIUM PERENNE* L.

**Perennial ryegrass.**

**265340.** 'Anglais Bocage'. Bred by Vilmorin.

**265341.** 'Anglais Primevere'. Bred by Institut National de Recherches Agronomiques, Versailles.

**265342 to 265350.** *LOLIUM PERENNE* L. Poaceae.

**Perennial ryegrass.**

From Ireland. Seeds presented by the United States Embassy, Dublin. Grown by Thurles Company, Tipperary. Received May 6, 1960.

**265342.** 'Devon Eaver'.

**265343.** 'Glasnevin Pedigree'. Irish type.

**265344.** 'Heraf'. Pasture strain. Dutch type.

**265345.** 'New Zealand Certified Mother Seed'.

**265346.** 'New Zealand Permanent Pasture'.

**265347.** 'Sceempter'. Pasture strain. Dutch type.

**265348.** S. 23. Pasture strain.

**265349.** S. 24.

**265350.** S. 101.

**265351. LOLIUM PERENNE L. Poaceae. Perennial ryegrass.**

From Chile. Seeds presented by the Ministerio de Agricultura, Consejo de Fomento e Investigacion Agricola, Santiago. Received May 9, 1960.

**265352 to 265367. FESTUCA ARUNDINACEA Schreb. Poaceae. Tall fescue.**

From the Netherlands. Seeds presented by the Stichting Voor Plantenveredelung, Wageningen. Received May 8, 1960.

Selections, distinct ecotypes, open pollinated. From North Holland unless otherwise noted.

265352. Cl. 1. Early.	265360. Cl. 33.
265353. Cl. 4. Early.	265361. Cl. 34. Late.
265354. Cl. 6.	265362. Cl. 42.
265355. Cl. 12. Early.	265363. Cl. 46. Early.
265356. Cl. 13. Early.	265364. Cl. 53. Zeeland.
265357. Cl. 22. Early.	265365. Cl. 89. Early. Ameland.
265358. Cl. 26.	265366. Cl. 98. Zeeland.
265359. Cl. 27.	265367. Cl. 105. Early.

**265368 to 265440.**

From South Africa. Seeds presented by the Division of Crops and Pastures, Department of Agriculture, Pretoria. Received May 9, 1960.

<b>265368 to 265437. GLYCINE MAX (L.) Merrill Fabaceae. Soybean.</b>	
265368. 48 S 21.	265392. 51 S 137.
265369. 48 18.	265393. 51 S 284.
265370. 49 S 156.d.	265394. 53 S 16.
265371. N 49 S 212.	265395. 53 S 20.
265372. 49 S 260.	265396. 53 S 23.
265373. 49 S 272.	265397. 53 S 24.
265374. 49 S 385.	265398. 53 S 34.
265375. 49 S 425.	265399. 53 S 44.
265376. 50 S 19.	265400. 53 S 48.
265377. 50 S 40.	265401. 53 S 50.
265378. 50 S 80.	265402. 53 S 58.
265379. 50 S 81.	265403. 53 S 59.
265380. 50 S 87.	265404. 53 S 95.
265381. 50 S 93.	265405. 53 S 107.
265382. 50 S 125.	265406. 53 S 125.
265383. 50 S 128.	265407. 53 S 130.
265384. 50 S 156.	265408. 53 S 149.
265385. 50 S 244.	265409. 54 S 70.
265386. 50 S 255.	265410. 54 S 116.
265387. 50 S 257.	265411. 54 S 173.
265388. 50 S 300.	265412. 54 S 181.
265389. 51 S 45.	265413. 54 S 195.
265390. 51 S 53.	265414. 54 S 212.
265391. 51 S 79.	265415. 54 S 219.



## 265368 to 265440—Continued

## 265368 to 265437—Continued

265416. 55 S 12.	265427. 56 S 92.
265417. 55 S 23.	265428. 56 S 95.
265418. 55 S 91.	265429. 56 S 108.
265419. 56 S 19.	265430. 56 S 110.
265420. 56 S 26.	265431. 56 S 116.
265421. 56 S 30.	265432. 56 S 122.
265422. 56 S 62.	265433. 56 S 136.
265423. 56 S 66.	265434. 56 S 300.
265424. 56 S 68.	265435. 'Blyvoor.'
265425. 56 S 74.	265436. 'Geduld.'
265426. 56 S 87.	265437. 'Masterpiece.'

265438. *SESAMUM INDICUM* L. Pedaliaceae.

Sesame.

'Gunsons D.C.S.' DL/60/137.

265439 and 265440. *SESAMUM* (hybrids)265439. 'Palmetto'  $\times$  49163. DL/60/139.

265440. R.I.-X. DL/60/138.

## 265441 to 265453.

From Australia. Seeds presented by the Department of Agriculture, Perth.  
Received May 9, 1960.

265441 to 265445. *AVENA SATIVA* L. Poaceae.

Common oats.

Spring varieties.

265441. 'Algerian'.

265444. 'Dale'.

265442. 'Avon'.

265445. 'Kent'.

265443. 'Ballidu'.

265446 and 265447. *HORDEUM VULGARE* L. Poaceae.

Barley.

Spring varieties.

265446. 'Prior'. Two-row.

265447. 'Beecher'. Six-row.

265448 to 265453. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

Spring varieties.

265448. 'Bencubbin'.

265451. 'Insignia 49'.

265449. 'Eureka II'.

265452. 'Kondut'.

265450. 'Gabo'.

265453. 'Wongoondy'.

## 265454 to 265484.

From Finland. Seeds presented by Professor Otto Valle, Tikkurila. Received  
May 9, 1960.

265454 to 265459. *AVENA SATIVA* L. Poaceae.

Common oats.

265454. 'Eho'.

265457. 'Kyro'.

265455. 'Golden Rain II'.  
(Svalov, Sweden.)

265458. 'Sisu'.

265456. 'Juha'.

265459. 'Tammi'.

## 265454 to 265484—Continued

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|--|---------------------|---------------|
| 265460 to 265467. <i>HORDEUM VULGARE</i> L. Poaceae.   |                     | Barley.       |
| 265460. 'Balder'. (Weibullsholm, Sweden.)              | 265464. 'Otra'.     |               |
| 265461. 'Helmi'.                                       | 265465. 'Paavo'.    |               |
| 265462. 'Louhni'.                                      | 265466. 'Pirkka'.   |               |
| 265463. 'Olli'.  | 265467. 'Tammi'.    |               |
| 265468 to 265473. <i>SECALE CEREALE</i> L. Poaceae.    |                     | Rye.          |
| 265468. 'Ensi'.  | 265471. 'Sangaste'. |               |
| 265469. 'Oiva'.  | From Estonia.       |               |
| 265470. 'Pekka'.                                       | 265472. 'Toivo'.    |               |
|  | 265473. 'Visa'.     |               |
| 265474 to 265484. <i>TRITICUM AESTIVUM</i> L. Poaceae. |                     | Common wheat. |
| Spring type.   |                     |               |
| 265474. 'Apu'.   | 265478. 'Sopu'.     |               |
| 265475. 'Diamond' (Svalov, Sweden.)                    | 265479. 'Tamm'.     |               |
| 265476. 'Hopea'.                                       | 265480. 'Touko'.    |               |
| 265477. 'Kimmo'.                                       |                     |               |
| Winter type.   |                     |               |
| 265481. 'Antti'.                                       | 265483. 'Vakka'.    |               |
| 265482. 'Olympia'.                                     | 265484. 'Varma'.    |               |

## 265485 to 265523.

From Colombia. Seeds presented by the Instituto de Fomento Algodonero, Bogota. Received May 10, 1960.

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|---|--|------------|
| 265485 to 265489. <i>ARACHIS HYPOGAEA</i> L. Fabaceae.      |  | Peanut.    |
| 265485. 'Dixie Spanish'.                                    |  |            |
| 265486. 'Dr Ariosto'.                                       |  |            |
| 265487. PI-132. From U.S.A.                                 |  |            |
| 265488. No. 9.  |  |            |
| 265489. 'Roxo 40'. From Brasil.                             |  |            |
| 265490 to 265498. <i>GLYCINE MAX</i> (L.) Merrill Fabaceae. |  | Soybean.   |
| 265490. 'Otootan'. From La Molina, Peru.                    |  |            |
| 265491. 133225. From La Molina, Peru.                       |  |            |
| 265492. T-1. From Yangambi, Belgian Congo.                  |  |            |
| 265493. 'Wabash'.   |  |            |
| 265494. 'Pelicano'. From Brasil.                            |  |            |
| 265495. 'Variety X'.  |  |            |
| 265496. 'Jackson'. From U.S.A.                              |  |            |
| 265497. 'Acadian'.  |  |            |
| 265498. T-2. From Yangambi, Belgian Congo.                  |  |            |
| 265499 to 265503. <i>HELIANTHUS ANNUUS</i> L. Asteraceae.   |  | Sunflower. |
| 265499. 'Cinza No. 42'.                                     |  |            |
| 265500. 'Chermianka 11'.                                    |  |            |
| 265501. 'Saratov'. From Chile.                              |  |            |

**265485 to 265523—Continued****265499 to 265503—Continued**

265502. VNIMK 4966. From U.S.S.R.

265503. VNIMK 6540. From U.S.S.R.

265504 to 265509. RICINUS COMMUNIS L. Euphorbiaceae. Castor bean.  
Dwarf varieties.

265504. 'Baker 296'. From U.S.A.

265505. 'Baker 292'. From U.S.A.

265506. 'Baker 290'. From Palmira, Colombia.

265507. 'Dawn'. From Palmira, Colombia.

Moderately vigorous.

265508. 'Cimarron'. From U.S.A.

265509. 'Baker 34'.

265510 to 265523. SESAMUM INDICUM L. Pedaliaceae. Sesame.  
Branching varieties.

265510. 'Negro'.

265511. 'Chino Rojo'.

265512. 'Pardo Peludo'.

265513. 'Morada'. From Maracay, Venezuela.

265514. 'Venezuela 52'. From Maracay, Venezuela.

Slightly branching.

265515. 'Aceitera'. From Maracay, Venezuela.

265516. 'Acarigua'. From Maracay, Venezuela.

265517. 'Venezuela 51'. From Maracay, Venezuela.

265518. 'Inamar'. From Maracay, Venezuela.

265519. 'Guacara'.

Not branching.

265520. 'Dulce'. From Texas, U.S.A.

265521. 'Blanco'. From Texas, U.S.A.

265522. 'Renner 1'. From Texas, U.S.A.

265523. 'Renner 2'. From Texas, U.S.A.

**265524 to 265536.**

From Cuba. Seeds presented by the Atkins Garden and Research Laboratory, Cienfuegos. Received May 10, 1960.

265524. ACACIA RICHII A. Gray Fabaceae.

265525. ARDISIA POLYCEPHALA Wall Myrsinaceae.

265526. ARGYREIA NERVOSA (Burm.) Boj. Convolvulaceae.

265527. BELOTIA GREWIFOLIA A. Rich. Tiliaceae.

265528. BRUNFELSIA HOPEANA (Hook.) Benth. Solanaceae.

265529. CALLANDRA sp. Mimosaceae.

265530. DIPTERIS sp. Polypodiaceae.

265531. KOPSIA FRUTICOSA DC. Apocynaceae.

265532. LYSILOMA TERGEMINA Benth. Mimosaceae.

265533. RANDIA DUMETOTUM (Retz.) Lam. Rubiaceae.



**265524 to 265536—Continued**265534. *SPATHODEA CAMPANULATA* Beauv. Bignoniaceae.265535. *STERCULIA FOETIDA* L. Sterculiaceae.

Hazel bottletree.

265536. *TECOMA STANS* (L.) Juss.ex. H.B.K. Bignoniaceae.

Florida trumpetbush.

**265537 to 265554.**

From Kenya. Seeds presented by the Grassland Research Station, Kitale.  
Received May 10, 1960.

265537. *LOTUS MEARNsii* Britton Fabaceae.265538. *LOTUS TIGRENSIS* Baker265539 and 265540. *TRIFOLIUM BACCARINII* Chiov. Fabaceae.

265539. K 54198. From Belgian Congo.

265540. K 58156. From one plant.

265541. *TRIFOLIUM BURCHELLIANUM* var. *JOHNSTONI* (Oliv.) Gillett  
Fabaceae.

K 576.

265542. *TRIFOLIUM CHERANGANIENSE* Gillett

K 50112.

265543. *TRIFOLIUM MASAIENSE* Gillett

K 54260.

265544. *TRIFOLIUM POLYSTACHYUM* Fres.

Clover.

K 561.

265545. *TRIFOLIUM REPENS* L.

Whiteclover.

Bamenda. K 5930.

265546 to 265550. *TRIFOLIUM RUEPPELLIANUM* Fresen.

265546. K 5193. Small type.

265547. K 5571. Plant erect, much branched, distinct.

265548. K 5870. Giant type. Seed from plant grown in the nursery.

265549. LK 53866. Large type.

265550. K 55339. 'Albino'. Flowers and seeds white.

265551. *TRIFOLIUM SEMIPILOSUM* Fresn.

K 5154.

265552. *TRIFOLIUM STEUDNERI* Schweinf.

K 51100.

265553. *TRIFOLIUM TEMBENSE* Fresn.

K 54235.

265554. *TRIFOLIUM USAMBARENSE* Taub.

K 53814.

**265555. CUCURBITA MAXIMA Duchesne Cucurbitaceae. Squash.**

From Turkey. Plants growing at the Regional Plant Introduction Station,  
Ames, Iowa, and Geneva, New York. Numbered May 11, 1960.

Component of *C. pepo*, P.I. 176963. Plant runner, early maturing; fruit  
five to six inches by seven to nine inches; flat turban, light orange, six lobed,  
protuberance at blossom end; flesh 1.5 inches thick.

**265556. CUCURBITA MAXIMA Duchesne Cucurbitaceae. Squash.**

From Ethiopia. Plants growing at the Regional Plant Introduction Stations,  
Ames, Iowa, and Geneva, New York. Numbered May 11, 1960.

**265556—Continued**

Component of *C. pepo*, P.I. 196845. Plant vigorous, early maturing, prolific; fruit flat, 12 inches, smooth, reddish orange, grey stripe, netted callus on surface; flesh 2.25 inches thick, orange.

**265557. CUCURBITA MAXIMA Duchesne Cucurbitaceae. Squash.**

From Argentina. Plants growing at the Regional Plant Introduction Stations, Ames, Iowa, and Geneva, New York. Numbered May 11, 1960.

Component of *C. pepo*, P.I. 199508. 'Tronco de Rondo' or 'Zappolita'. Carries dominant gene for bush habit. Bush vigorous, very early maturing, six to seven fruits per plant; fruits 3.5 by 5 inches, flat, rounded, dark green, narrow grey striped; flesh one inch thick, orange. Mosaic resistant but susceptible to powdery mildew.

**265558. CUCURBITA MAXIMA Duchesne Cucurbitaceae. Squash.**

From Iran. Plants growing at the Regional Plant Introduction Stations, Ames, Iowa, and Geneva, New York. Numbered May 11, 1960.

Component of *C. pepo*, P.I. 212010. Plant runner, late maturing; fruit flat globe, 9 by 12 inches, striped white, pointed at blossom end, very smooth, no ribs; skin green to grey green.

**265559. CUCURBITA MAXIMA Duchesne Cucurbitaceae. Squash.**

From Pakistan. Plants growing at the Regional Plant Introduction Stations, Ames, Iowa, and Geneva, New York. Numbered May 11, 1960.

Component of *C. pepo*, P.I. 219694. Plant vigorous runner; fruit either globe, 13 to 18 inches by 15 to 18 inches, or oblong, 8 to 12 inches by 24 to 30 inches; skin orange; flesh light yellow to two inches thick.

**265560. CUCURBITA MAXIMA Duchesne Cucurbitaceae. Squash.**

From Afghanistan. Plants growing at the Regional Plant Introduction Stations, Ames, Iowa, and Geneva, New York. Numbered May 11, 1960.

Component of *C. pepo*, P.I. 221923. Vine medium size; leaves small; fruit to seven inches, globose; skin light to medium green with orange

**265561. CUCURBITA MAXIMA Duchesne Cucurbitaceae. Squash.**

From Iran. Plans growing at the Regional Plant Introduction Station, Ames, Iowa, and Geneva, New York. Numbered May 11, 1960.

Component of *C. pepo*, P.I. 223353. Plant vigorous, early maturing, prolific; fruits 11 by 12 inches, spindle shaped, ribbed, reddish orange, grey striped; bulb 2.5 inches at blossom end, greenish with faint grey stripe. Mosaic free but very susceptible to powdery mildew and squash bug.

**265562. CUCURBITA MAXIMA Duchesne Cucurbitaceae. Squash.**

From Afghanistan. Plants growing at the Regional Plant Introduction Stations, Ames, Iowa, and Geneva, New York. Numbered May 11, 1960.

Component of *C. pepo*, P.I. 223773. Plant large vigorous vine; fruit 11 by 15 inches, oblate; skin light green to copper brown; flesh two inches thick, orange. Some fruits flat discs, four to seven inches by five to ten inches.

**265563. CUCURBITA PEPO L. Cucurbitaceae. Pumpkin.**

From Turkey. Plants growing at the Regional Plant Introduction Stations, Ames, Iowa, and Geneva, New York. Numbered May 11, 1960.

Component of *Cucumis sativus*, P.I. 174167. Plant long runner, vigorous, exceedingly prolific; early maturing; fruits bowling pin shaped, 7.5 by 3.5 inches, obovate, smooth, tapers to stem end; skin deep cream or tan. Keeps well in storage.

**265564. ALOPECURUS sp. Poaceae.**

From the Netherlands. Plants presented by the Arboretum Landbouwhogeschool, Wageningen. Received May 12, 1960.

**265565 to 265568. DACTYLIS GLOMERATA var. HISPANICA (Roth)**  
Duby Poaceae.

From France and Spain. Seeds growing at the Regional Plant Introduction Station, Ames, Iowa. Numbered May 11, 1960.

265565. Component of *D. glomerata*, P.I. 234046. Instituto Nacional de Investigaciones Agronomicas, Plantas Forrajeras y Pratenses, Madrid, Spain.

265566. Component of *D. glomerata*, P.I. 234474. West of Sarinena, Aragon Province, Spain.

265567. Component of *D. glomerata*, P.I. 234716. Northwest of Montpellier, France.

265568. Component of *D. glomerata*, P.I. 255243. M. Hycka, Estacion Experimental de Aula Dei, Zaragoza, Spain.

**265569 to 265580.**

From Argentina and Bolivia. Seeds collected by D. S. Correll, collaborator, Texas Research Foundation, Renner, Texas. Received May 11, 1960.

Collected February and March 1960.

From Argentina unless otherwise stated.

265569. *TRICHLORIS CRINITA* (Lag.) Parodi Poaceae.

Col. No. A-715. Forty-eight miles north of San Juan, San Juan Province. Plants to four feet high, lush, in very arid region.

265570. *CROTALARIA* sp. Fabaceae.

Col. No. A-711. LaChagritos, Catamarca Province.

265571. *CUCURBITA MAXIMA* Duchesne Cucurbitaceae.

Squash.

Col. No. A-709A. Los Alamitos, Catamarca Province. Primitive pumpkin.

265572. *ROSA* sp. Rosaceae.

Col. No. A-716. Villavicencia, Mendoza Province. Plants luxuriant; eight feet high in desert area; fruit deep red.

265573. *SOLANUM BERTHAULTII* Hawkes Solanaceae.

Col. No. B-606A. Near Cochabamba, Bolivia.

265574. *SOLANUM GOURLAYII* Hawkes

Col. No. A-668. Alfarcito, east of Tilcara, Jujuy Province.

265575. *SOLANUM SIMPLICIFOLIUM* Bitter

Col. No. A-705. La Bandarita, Tucuman Province.

265576. *SOLANUM SUBTILIUS* Bitter

Col. No. A-707. Catamarca, Rio Potrillo Province.

265577. *SOLANUM TARIJENSE* Hawkes

Col. No. B-619. Ten miles from Aiquile, Cochabamba Department, Bolivia.

265578. *SOLANUM* sp.

Col. No. B-654. Iscayachi, Tarija Department, Bolivia.

265579. *SOLANUM* sp.

Col. No. A-678. Tascal, Jujuy Province.

265580. *SOLANUM* sp.

Col. No. A-683. Tascal, Jujuy Province.



**265581. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.**

From the Union of South Africa. Seeds presented by Rilsan Corporation, Potietersrus, Transvaal. Received May 12, 1960.

N. 145-4-4.

**265582 to 265681.**

From Germany. Plants purchased from Herm. A. Hesse, Baumschulen, Weener. Received May 13, 1960.

**265582. ACER CAMPESTRE L. Aceraceae.**

'Pulverulentum'.

**265583. ACER LAXIFLORUM Pax****265584 and 265585. ACER NEGUNDO L.**

Boxelder.

265584. 'Elegans'.

265585. 'Auratum'.

**265586. ACER OPALUS Miller**

'Auratum'.

**265587. ACER PLATANOIDES L.**

Norway maple.

**265588. ACER RUBRUM L.**

Red maple.

'Wageri'.

**265589. ACER TRUNCATUM Bunge**

'Albo-vittatum'.

**265590. ACER × ZOESCHENSE PAX**

'Annae'.

**265591 and 265592. AESCULUS × CARNEA Hayne Aesculaceae.**

265591. 'Aureo-Marginata'.

265592. 'Plantierensis'.

**265593. AESCULUS × PLANTIERENSIS Andre****265594. AESCULUS × NEGLECTA Lindl.**

'Erythroblasta'.

**265595. ALNUS MAXIMOWICZII Callier Betulaceae.****265596. AMELANCHIER sp. Malaceae.**

'Pumila'.

**265597. AMORPHA FRUTICOSA L. Fabaceae.**

'Crispa'.

**265598. BERBERIS DIELSIANA Fedde Berberidaceae.**

'Compacta'.

**265599. BERBERIS GIRALDII Hesse****265600. BERBERIS MOUILLACANA Schneider****265601. BETULA NANA L. Betulaceae.****265602. BETULA POTANINII Batalin****265603. BETULA PUBESCENS Ehrhart**

'Aurea'.

**265604. CATALPA FARGESI f. DUCLOUXI (Dode) Gilmour Bignoniaceae.****265605. CELASTRUS ROSTHORNIANA (Loesener) Diels Celastraceae.****265606. CERCIDIPHYLLUM JAPONICUM var. SINENSE Rehd. & Wils. Trochodendraceae.**

## 265582 to 265681—Continued

265607. CLEMATIS LASIANDRA Maxim. Ranunculaceae.  
 265608. CLEMATIS SERRATIFOLIA Rehder Korean clematis.  
 265609. CLEMATIS VITALBA L. Travelers-joy.  
 265610. CORNUS ALBA L. Cornaceae. Tatarian dogwood.  
   'Albo-Marginata Elegans'.  
 265611. CORNUS KOEHNEANA Wangerin  
 265612. COTONEASTER (hybrid). Malaceae. Willowleaf cotoneaster.  
   'Sakdan'. (*C. dammeri* × *C. salicifolia*).  
 265613. DEUTZIA COREA Leveille Hydrangeaceae.  
 265614. DEUTZIA GRACILIS Sieb & Zucc.  
   'Albomarmorata'.  
 265615. EUONYMUS EUROPAEUS L. Celastraceae. European burningbush.  
   'Argenteovariegatus'.  
 265616. FAGUS SYLVATICA L. Fagaceae. European beech.  
   'Horizontalis'.  
 265617. FESTUCA SCOPARIA Hook. f. Poaceae.  
 265618 to 265620. FRAXINUS EXCELSIOR L. Oleaceae.  
   265618. 'Crispa Variegata'.  
   265619. 'Doorenbos Nr. 5'.  
   265620. 'Hessei'.  
 265621. FRAXINUS POTAMOPHILA Herder Turkestan ash.  
 265622. HERACLEUM MATEAZZIANUM Somm. & Levier Apiaceae.  
 265623. LONICERA OBOVATA Royle ex. Hook. f. & Thoms. Caprifoliaceae.  
 265624. LONICERA MYRTILLUS Hook. f. & Thoms.  
 265625. LONICERA PROSTRATA Rehder  
 265626 and 265627. PLATANUS × ACERIFOLIA (Ait.) Willd. Platanaceae.  
   265626. 'Pyramidalis'.  
   265627. 'Suttneri'.  
 265628. PLATANUS ORIENTALIS L.  
   'Digitata'.  
 265629. POPULUS CANADENSIS Moench  
   'Bachelieri'.  
 265630. POPULUS TREMULA L. European aspen.  
   'Purpurea'.  
 265631. POPULUS TREMULOIDES Michx.  
   'Pendula'.  
 265632. POPULUS × CANADENSIS Moench  
   'Vernirubens'.  
 265633 to 265635. POTENTILLA FRUTICOSA L. Rosaceae. Shrubby cinquefoil.  
   265633. 'Albescent'.  
   265634. 'Friesengold'.  
   265635. 'Sulfurea'.

## 265582 to 265681—Continued

265636. *POTENTILLA FRUTICOSA* var. *PARVIFOLIA* (Fisch) Th.Wolf Rosaceae.
265637. *PRUNUS CERASIFERA* Ehrh. Amygdalaceae.  
'Hessei'.
265638. *PTELEA TRIFOLIATA* L. Rutaceae.  
'Fastigiata'.
265639. *PTEROCARYA FRAXINIFOLIA* (Lam.) Spach Juglandaceae.  
'Dumosa'.
265640. *PTEROCARYA RHOIFOLIA* Sieb. & Zucc.
265641. *PYRUS ELAEAGRIFOLIA* var. *KOTSCHYANA* (Decne.) Boiss. Malaceae.
265642. *QUERCUS ROBUR* L. Fagaceae. English oak.  
'Argento-Marginata'.
- 265643 and 265644. *QUERCUS PETRAEA* (Mattuschka) L. ex Lieblein  
265643. 'Columna'.  
265644. 'Laciniata Crispa'.
- 265645 to 265648. *QUERCUS ROBUR* L. English oak.  
265645. 'Maculata'.  
265646. 'Albomarmorata'.  
265647. 'Nigricans'.  
265648. 'Picta'.
265649. *QUERCUS* × *PENDULINA* Kit.  
'Pungens'.
- 265650 to 265653. *QUERCUS ROBUR* L. English oak.  
265650. 'Scolopendrifolia'.  
265651. 'Atropurpurea'.  
265652. 'Fastigiata Purpurea'.  
265653. 'Filicifolia'.
- 265654 and 265655. *QUERCUS BOREALIS* Michx. f.  
265654. 'Aurea'.  
265655. 'Schrefeldi'.
265656. *QUERCUS* × *SCHOCHIANA* Dieck.
- 265657 to 265660. *ROBINIA PSEUDOACACIA* L. Fabaceae. Common locust.  
265657. 'Mimosaeifolia'.  
265658. 'Monophylla Fastigiata'.  
265659. 'Pyramidalis'.  
265660. 'Rozynskyana'.
265661. *ROSA EGLANTERIA* L. Rosaceae. Sweetbrier.  
'Magnifica'.
265662. *SALIX AURITA* L. Salicaceae.
265663. *SALIX CHRYSOSTELA* Dode
265664. *SALIX DAPHNOIDES* var. *POMERANICA* Koch



## 265582 to 265681—Continued

265665. *SALIX FRAGILIS* L.

Brittle willow.

'Bullata'.

265666. *SALIX ACUTIFOLIA* Willd.

'Pendulifolia'. Staminate.

265667. *SALIX REPENS* L.

'Rosmarinifolia'.

265668. *SALIX* × *SIMULATRIX* B. White265669. *SIBIRAEA LAEVIGATA* (L.) Maxim. Rosaceae.265670. *SORBUS ARIA* (L.) Crantz Malaceae. Whitebeam mountain-ash.

'Magnifica'.

265671. *SORBUS ARIA* (L.) Crantz Malaceae. Whitebeam mountain-ash.

'Aurea'.

265672. *SORBUS FOLIOLOSA* (Wall.) Spach265673. *SORBUS SEROTINA* Koehne265674. *STAPHYLEA* × *ELEGANS* Zabel Staphyleaceae.

'Hessei'.

265675. *SYMPHORICARPOS ORBICULATUS* Moench Caprifoliaceae.

'Variegatus'.

265676. *TILIA AMERICANA* L. Tiliaceae.

'Nova'.

265677. *WEIGELA PRAECOX* (Lem.) Bailey Caprifoliaceae.

'Avant Garde'.

265678 and 265679. *WEIGELA* (hybrids).

265678. 'Desboisi'.

265679. 'Edouard Andre'.

265680 and 265681. *WEIGELA PRAECOX* (Lem.) Bailey

265680. 'Fleur de Mai'.

265681. 'Rosea'.

265682. *TRIFOLIUM NIGRESCENS* Viv. Fabaceae.

From Turkey. Seeds collected by the Wellman and Westover Expedition.  
Numbered May 16, 1960.

No. 659. Fifteen miles southeast of Izmir. Collected January 1937.

265683 to 265711. *RUMEX HYMENOSEPALUS* Torr. Polygonaceae.  
Canaigre.

From Mexico. Roots collected by Norris W. Gilbert, Crops Research Division,  
Mesa, Arizona. Numbered May 18, 1960.

'Yerba Colorada'. Sonora. Regarded as too strong for tanning but used  
for medicinal purposes.

265683. No. M-1. Sandy soil near stream, Agua Zarca, 11 miles south  
of Nogales. Elevation 3,900 feet. Plants few, scattered.

265684. No. M-2. In sand and gravel, Imuris, 45 miles south of Nogales.  
Elevation 2,800 feet. Plants scattered.

265685. No. M-3. Dry, sandy wash, five miles north of Ocuca. Eleva-  
tion under 2,000 feet.

265686. No. M-4. Gravel and sandy soil, three miles south of Magdalena.  
Elevation 2,500 feet.

**265683 to 265711—Continued**

265687. No. M-5. In wash and adjacent cultivated land. Recodo, three miles southeast of Magdalena. Elevation 2,600 feet. Plants scattered.
265688. No. M-6. Hilly terrain, 12 miles southeast of Magdalena. Elevation 3,500 feet. Plants few, large.
265689. No. M-7. Edges of cultivated fields, El Pintor on San Miguel River, five miles north of Cucurpe. Elevation under 3,000 feet. Plants numerous.
265690. No. M-8. Cucurpe. Elevation 3,000 feet. Plants scattered.
265691. No. M-9. Five miles south of Santa Ana. Elevation 2,300 feet.
265692. No. M-10. Five miles east of Ures, near Rio Sonora. Elevation 1,500 feet.
265693. No. M-11. Three miles downstream from Masocahui, on Sonora River. Elevation 2,000 feet.
265694. No. M-12. La Capilla, about 8 miles north of Masochahui. Elevation 2,000 feet.
265695. No. M-13. Two miles south of La Capilla. Elevation under 2,000 feet.
265696. No. M-14. Three miles south of Moctezuma. Elevation 2,000 feet.
265697. No. M-15. Sandy areas near Tenisco, 7 miles north of Moctezuma. Elevation 2,000 feet.
265698. No. M-16. El Coyote, 11 miles northeast of Bacadehuachi. Elevation 3,650 feet.
265699. No. M-17. Five miles north of Bacadehuachi. Elevation 2,650 feet. Plants numerous.
265700. No. M-18. Two miles north of Bacadehuachi. Elevation 2,650 feet. Plants dense, considered a weed.
265701. No. M-19. South of Bacadehuachi. Elevation 2,650 feet. Plants scattered, considered very strong.
265702. No. M-20. Heavy soil, Huachinera. Elevation 3,500 feet. Plants badly chewed by larvae of canaigre borer.
265703. No. M-21. Bacerac. Elevation 3,500 feet. Plants few, scattered.
265704. No. M-22. Banispe, one mile east of Banispe river.
265705. No. M-23. Heavy soil, overlaying sand, cultivated field, riverside, south of experiment station, Banispe. Plants numerous.
265706. No. M-24. Along Banispe River, 15 miles north of Banispe. Elevation below 3,500 feet.
265707. No. M-25. Along Banispe River, 30 miles north of Banispe. Elevation 3,500 feet.
265708. No. M-26. Cuchu Berachi, east of Banispe river. Elevation 3,500 feet. Plants small.
265709. No. M-27. Banispe-Agua Prieta road. Elevation 3,500 feet. Plants scattered.
265710. No. M-28. Sandy streamside five miles southeast of Cananea. Elevation 5,000 feet.
265711. No. M-29. Cananea-Imuris road. Plants large; roots bright yellow.

**265712 to 265720. JUGLANS REGIA L. Juglandaceae.****Persian walnut.**

From the United States. Plants growing at the United States Plant Introduction Station, Chico, California. Numbered Aug. 17, 1960.

**265712 to 265720—Continued**

Letter and numerical designations are orchard location.

Seedling selections; seed parents from countries indicated under former P.I. numbers.

**265712.** D 18-20. Sochi District, Union of Soviet Socialist Republics. P.I. 102087. Seedling bore large nuts with large kernels.

**265713.** D 18-23. Sochi District, Union of Soviet Socialist Republics. P.I. 102092. Seedlings bore large nuts with large kernels.

**265714.** D 18-24. Sochi District, Union of Soviet Socialist Republics. P.I. 102094. Matures early and yields high percentage of kernel.

**265715.** D 19-8. Sochi District, Union of Soviet Socialist Republics. P.I. 102085. Seedlings bore large nuts with large kernels.

**265716.** D 35-7. Chile.

P.I. 28106. Selected for its apparent low chilling requirements and early maturing nuts of good kernel size and quality.

**265717.** D 35-38. Seed purchased in Ontario, Canada; supposedly from the Carpathian Mountains.

**265718.** D 35-43. Northwest Provinces, India.

P.I. 54788. Nuts small, irregularly shaped, resembling the nuts produced by *J. regia* × *J. hindsii*.

**265719.** D 42-30. Estonia.

P.I. 131353. Kernels light colored and readily separate from shell.

**265720.** D 42-45. Afghanistan.

P.I. 135697. Tree late leafing, very good separation of kernel from shell.

**265721 to 265800.**

From the United States. Plants and seeds collected in the wild in the summer of 1957, unless otherwise noted. Numbered May 16, 1960.

**265721 to 265800.** Seeds.

**265721 to 265748.** RUBUS ALLEGHENIENSIS Porter Rosaceae.

**Alleghany blackberry.**

**265721.** R-14. Rosemount, Minnesota. Plants grow well in sun. Berries 0.75 inch long; quality excellent.

**265722.** R-17. Exposed hillside, Ellsworth, Wisconsin. Plants showed little winterkill; fruits 0.5 inch long.

**265723.** R-20. Luck, Wisconsin. Berries small at beginning of season.

**265724.** R-28. Pastured woodlot. Marine-on-St. Croix, Minnesota. Plants grow in great profusion when protected; berries 0.75 inch long; flavor good.

**265725.** R-30. Marine-on-St. Croix, Minnesota. Fruits abundant; size fair.

**265726.** R-31. Stacy, Minnesota. Protected location; berries about 0.75 inch long.

**265727.** R-43. Nisswa, Minnesota. Plants may be very hardy, but most canes killed to ground in severe winter of 1958-59, new growth weak; fruits bitter sour.

**265728.** R-47. Chicago City, Minnesota. Plants occur in clearings in woods.

**265729.** R-49. Beroun, Minnesota. Plants protected in wooded area; berries fine flavored.



**265721 to 265800—Continued****265721 to 265748—Continued**

265730. R-50. St. Croix State Park, Minnesota. Plants semiprotected; fruit to 1 inch long, excellent.
265731. R-51. St. Croix State Park, Minnesota. Plants in dense vegetation; berries about 0.5 inch across.
265732. R-52. Luck, Wisconsin. Plants in wooded area; berries 0.5 inch long.
265733. R-53. Amery, Wisconsin. Plants prolific; berries 0.5 inch long.
265734. R-54. Hudson, Wisconsin. Plants prolific; berries to 0.75 inch long; quality good.
265735. R-55. Osceola, Wisconsin. Berries, 0.5 inch long.
265736. R-56. Henderson, Minnesota. Berries 0.75 inch long.
265737. R-57. Arcadia, Wisconsin. Plants in huge patches throughout woods; do well in open areas; fruit 0.7 inch long.
265738. R-58. Winona, Minnesota. Plants apparently wild, occur in old apple orchard; fruit abundant, about 1 inch long; quality excellent.
265739. R-66. Near Medford, Goodrich Township, Wisconsin.
265740. R-67. Edge of field, Rhinelander, Wisconsin. Plants probably hardy; productive; fruit matures best in exposed areas.
265741. R-68. Roadside, Rhinelander, Wisconsin. Plants poor producers; fruit to 0.75 inch long.
265742. R-69. Florence, Wisconsin. Plants well protected; fruits to 0.75 inch long.
265743. R-70. Eagle River, Wisconsin. Plants obtained from Phelps, Wisconsin, and may be cultivated variety.
265744. R-71. Washburn, Wisconsin. Plants collected along firelane in woods. Berries to 0.5 inch long.
265745. R-72. Onamia, Minnesota. Plants prolific in woods; berries to 0.5 inch long.
265746. R-73. Floodwood, Minnesota. Plants may be very hardy, only half were killed by severe winter of 1958-59; new growth vigorous, a few old canes flowering; berries under 0.5 inch long.
265747. R-80. Swanville, Minnesota. Plants well protected, but most were killed and all canes killed to ground; new growth weak.
265748. R-83. Durand, Wisconsin. Plants in unprotected location along fence, but half were killed by severe winter of 1958-59; all other canes killed to ground; new growth weak.

**265749 to 265771. RUBUS IDAEUS var. STRIGOSUS Maxim.****Common red raspberry.**

265749. R-1. St. Paul, Minnesota. Plants from field cultivated four years, at Lakewood, near Green Bay, Wisconsin.
265750. R-7. Madelia, Minnesota. Plants cultivated 10 years; little winterkill; canes short, some killed to ground in severe winter of 1958-59; fruit medium size, poor quality. Looks like a cultivated variety.
265751. R-15. Rosemount, Minnesota. Plants in pastured woodland; berries small, flavor excellent.
265752. R-18. Luck, Wisconsin. Plants well protected; berries average 0.5 inch long.

## 265721 to 265800—Continued

## 265749 to 265771—Continued

265753. R-21. Rice Lake, Wisconsin. Plants grow well in full sun; berries small.
265754. R-24. Pierz, Minnesota. Plants protected, had considerable injury in severe winter of 1958-59, but new growth very vigorous; fruits late, to 0.5 inch long.
265755. R-25. Pierz, Minnesota. Plant in protected location; berries 0.5 inch across, very sweet.
265756. R-26. Page, Minnesota.
265757. R-27. Foreston, Minnesota. May be an old commercial variety; source unknown. Fruits large.
265758. R-29. Roadside, Marine-on-St. Croix, Minnesota. Plants in protected location; berries exceptionally large.
265759. R-34. Isanti, Minnesota. Plants very hardy.
265760. R-35. Bluffton, Minnesota. Plants may have had snow protection, but some canes killed back in severe winter of 1958-59, others uninjured; new growth very vigorous; fruit, bright red, small, acid.
265761. R-37. New York Mills, Minnesota. Plants growing in woods well protected; berries to 0.4 inch across.
265762. R-38. McGregor, Minnesota. Plants in protected clearing; berries to 1 inch across.
265763. R-39. Moist area near ditch, Aitkin, Minnesota. Berries small at end of season.
265764. R-42. Pine River, Minnesota. Some killing back of canes in severe winter of 1958-59; new growth very vigorous; fruit small, bright red, acid, excellent quality.
265765. R-59. Saum, near Kelliher, Minnesota. Plants may be very hardy, but many canes killed back in severe winter in 1958-59; new growth vigorous; berry yield high.
265766. R-60. Saum, near Kelliher, Minnesota. Plants may be very hardy, some canes fruiting to tips after severe winter of 1958-59; new growth extremely vigorous; berries small, very late.
265767. R-63. Clementson, Minnesota. Plants abundant in pasture, may be very hardy but canes killed back in severe winter of 1958-59; new growth vigorous; still flowering July 4, bearing into late August; berries to 0.75 inch long.
265768. R-64. Open area, Cotton, Minnesota. Canes killed to ground in severe winter of 1958-59; new growth vigorous; berries small.
265769. R-74. Two Harbors, Minnesota. Plants apparently virus free; some canes killed in severe winter of 1958-59; new growth moderately vigorous; fruiting.
265770. R-76. Hovland, Minnesota. Most old canes killed; new growth very vigorous; few fruits ripe early July.
265771. R-77. Isabella, Minnesota. Canes killed to ground; new growth not vigorous.

265772 to 265786. *RUBUS OCCIDENTALIS* L.

Common blackcap.

265772. R-2. St. Paul, Minnesota. Plants cultivated four years, collected from wild at Lakewood, near Green Bay, Wisconsin.
265773. R-4. Minneapolis, Minnesota. Plants in protected location had no winterkill; berries large; seeds few. Some anthracnose.
265774. R-5. Hopkins, Minnesota. Plants had some winterkill in clearing; fruits variable size; flavor fine.

## 265721 to 265800—Continued

265775. R-6. St. Peter, Minnesota. Plants in shady location had no winterkill; new growth vigorous; fruits large, shiny, numerous; quality excellent.
265776. R-8. Madelia, Minnesota. Plants cultivated 10 years, earlier history unknown. Plants appear hardy, but all were dead after severe winter of 1958-59; berries sweet.
265777. R-9. Mountain Lake, Minnesota. Plants abundant in grove; no winterkill; new growth vigorous; fruit under 0.5 inch. Leaf disease present.
265778. R-10. Lakefield, Minnesota. Plants growing in grove for at least 50 years. Half of plants and most canes killed after severe winter of 1958-59; new growth vigorous; fruits numerous, of good size.
265779. R-11. Canby, Minnesota. Plants protected and suffered little winterkill, but many plants killed in severe winter of 1958-59 and other canes killed back; new growth vigorous; fruits many, size medium, less seedy than average.
265780. R-12. Bird Island, Minnesota. Plants protected but half were killed in severe winter of 1958-59, other canes killed; new growth vigorous; fruits abundant, less than 0.5 inch long.
265781. R-13. Franklin, Minnesota. Plants confined to shaded area; fruit abundant.
265782. R-19. Luck, Wisconsin. Plants protected but may show exceptional hardiness for the species; fruits small.
265783. R-23. Royalton, Minnesota. Plants profuse in woodlot and cleared areas, may be exceptionally hardy for the species, although half were killed after severe winter of 1958-59; new growth vigorous; fruits small.
265784. R-32. Wyoming, Minnesota. Plants well protected; berries 0.5 inch across at end of season; quality high.
265785. R-78. Maple Lake, Minnesota. Plants in pasture, but only 1 plant alive after severe winter of 1958-59, and all canes killed to the ground; new growth weak; berries 0.5 inch long.
265786. R-84. Blomkest, south of Willmar, Minnesota. Plants in grove with protection survived severe winter of 1958-59 with less injury to canes than most; new growth vigorous; fruits many, small.
265787. *RUBUS RECURVANS* Blanchard
- R-22. Winona, Minnesota. Plants growing in exposed area; fruit variable in size.
265788. *RUBUS SEMISETOSUS* Blanchard
- R-33. Santi, Minnesota. Plants at edge of marsh and in forest.
265789. *RUBUS VERMONTANUS* Blanchard
- R-48. Rush City, Minnesota. Plants protected from sun, difficult to identify; may be hybrids; berries large, sweet.
265790. *RUBUS* sp.
- R-36. Bluffton, Minnesota. Plants probably received snow protection, but killed to ground in severe winter of 1958-59; new growth moderate. Some *Septoria* present.
265791. *RUBUS* sp.
- R-40. Aitkin, Minnesota. Plants along pasture road; canes killed in severe winter in 1958-59; new growth and blossom present; fruit very small.



## 265721 to 265800—Continued

265792. *RUBUS* sp.

R-44. Nisswa, Minnesota. Plants have trailing habit, canes killed to ground in severe winter of 1958-59; new growth moderate; fruit of excellent flavor.

265793. *RUBUS* sp.

R-45. Nisswa, Minnesota. May be hybrid of *R. allegheniensis*. New growth vigorous with a few fruit clusters.

265794. *RUBUS* sp.

R-46. Hackensack, Minnesota. Plants on sandy-gravelly soil; new growth vigorous; fruit of excellent flavor; size ordinary.

265795. *RUBUS* sp.

R-61. Saum, near Kelliher, Minnesota. Plants probably received snow protection, but all test plants were dead after severe winter of 1958-59; under 0.5 inch.

265796. *RUBUS* sp.

R-65. Gilbert, Minnesota. Plants occur in bog and may be hardy; fruit 0.25 inch across.

265797. *RUBUS* sp.

R-82. New York Mills, Minnesota. Plants well protected, but in test all canes killed to ground in severe winter of 1958-59; new growth vigorous; fruit to 0.75 inch across.

265798 and 265799. *VACCINIUM ANGUSTIFOLIUM* Ait. *Vacciniaceae*.  
Lowbush blueberry.

265798. R-41. Aitkin, Minnesota. Plants along road.

265799. R-75. Two Harbors, Minnesota. Plants collected from wild; fruit to 0.4 inch.

265800. *VACCINIUM ANGUSTIFOLIUM* var. *HYPOLASIUM* Fernald  
Lowbush blueberry.

R-62. Saum, near Kelliher, Minnesota.

## 265801 to 265811.

From Mexico and Central America. Tubers collected by J. C. Hawkes, University of Birmingham, Birmingham, England. Numbered May 23, 1960.

265801. *SOLANUM JAMESII* Torr.

No. 1152, line 1.

265802 to 265804. *SOLANUM FENDLERI* A. Gray

265802. No. 1259, line 2.

265803. No. 1314, line 2.

265804. No. 1314, line 3.

265805. *SOLANUM CARDIOPHYLLUM* Lindl

No. 1408/3.

265806. *SOLANUM SPECTABILE* (Correll) Hawkes

No. 1531/1.

265807 and 265808. *SOLANUM TUBEROSUM* L.

265807. No. 1787.

265808. No. 1874.

265809 and 265810. *SOLANUM DEMISSUM* Lindl.

265809. No. 1915, line 1.

265810. No. 1915, line 2.

**265801 to 265811—Continued****265811.** SOLANUM BULBOCASTANUM Dun.

No. 1922, line 1.

**265812.** CLEMATIS sp. Ranunculaceae.

From Canada. Plant presented by Skinners Nursery Limited, Dropmore, Manitoba. Received May 25, 1960.

**265813.** ROSA sp. Rosaceae.

From Uruguay. Cuttings presented by Fontana A. Menghi, Cerrillos. Received May 25, 1960.

No. 1196.

**265814 to 265828.** SACCHARUM (hybrids) Poaceae.**Sugarcane.**

From Cuba. Cuttings presented by the United Fruit Company, Preston. Received May 25, 1960.

**265814.** UCW 53-69.**265822.** UCW 54-57.**265815.** UCW 53-146.**265823.** UCW 54-58.**265816.** UCW 53-178.**265824.** UCW 54-69.**265817.** UCW 54-16.**265825.** UCW 55-5.**265818.** UCW 54-29.**265826.** UCW 55-25.**265819.** UCW 54-36.**265827.** UCW 55-47.**265820.** UCW 54-38.**265828.** UCW 55-53.**265821.** UCW 54-40.**265829 to 265831.** COFFEA (hybrids). Rubiaceae.**Coffee.**

From Portugal. Seeds presented by Centro de Investigacao das Ferrugens do Cafeeiro, Estacao Agronomica-Nacional, Oeiras. Received May 25, 1960.

**265829.** No. 1320. S. 882 1/2. From India.**265830.** No. 1321. S. 882 2/1. From India.**265831.** No. 1323. S. 881 4/9. From India.**265832.** PRINGLEA ANTISCORBUTICA R. Br. ex Hook. Brassicaceae.  
**Kerguelen cabbage.**

From France. Seeds presented by the Musuem National d'Histoire Naturelle, Paris. Received May 26, 1960.

Collected on Kerguelen Island.

**265833.** PRUNUS DOMESTICA L. Amygdalaceae.**Plum.**

From Argentina. Seeds presented by Eric E. Montgomery, Forth Worth, Texas. From the Ministry of Agriculture, Buenos Aires. Received May 26, 1960.

'Basaricatta'. An Italian variety; fruit long "tear-drop" shaped; skin golden yellow; flesh yellow, firm, very sweet, aromatic, agreeable; early maturing; a good shipper.

**265834 to 265840.** CITRUS sp. Rutaceae.

From French West Africa. Seeds presented by the Station Centrale des Cultures Fruitieres Tropicales, Kindia. Received May 26, 1960.

**265834.** 'C. M'Guergueb'.**265838.** 'Rouge de Foulaya'.**265835.** 'Dalaba'.**265839.** 'Todo del ano'.**265836.** 'Liane'.**265840.** 'Webberi'.**265837.** 'Naboul'.

**265841. DESMODIUM CANESCENS (L.) DC. Fabaceae.**

From Spain. Seeds presented by the Madrid Botanical Garden, Madrid.  
Numbered May 26, 1960.

**265842 and 265843.**

From Turkey. Seeds collected by the Westover and Weldman Expedition.  
Numbered May 26, 1960.

265842. TRIFOLIUM NIGRESCENS Viv. Fabaceae.

Clover.

Component of P.I. 120159. *Trifolium resupinatum*.

265843. TRIFOLIUM PRATENSE L.

Red clover.

Thirty km. southeast of Izmir.

**265844. ERAGROSTIS ECHINOCHLOIDEA Stapf Poaceae.**

From South Africa. Seeds collected by B. West, Karoo. Numbered May  
26, 1960.

Component of P.I. 190306, *Digitaria eriantha*.

**265845 to 265847.**

From Spain. Seeds presented by the Horto Botanica, Madrid. Numbered  
May 26, 1960.

265845. ERAGROSTIS TEF (Zucc.) Trotter Poaceae.

265846. KOELERIA BERYTHEA Boiss. & Bal. Poaceae.

265847. PENNISETUM MACROURUM Trin. Poaceae.

**265848. PENNISETUM QUARTINIANUM A. Rich. Poaceae.**

From Ethiopia. Seeds collected by W. A. Archer, agricultural explorer, Crops  
Research Division, Plant Industry Station, Beltsville, Md. Numbered  
May 26, 1960.

Component of P.I. 196829.

**265849 to 265856. THEOBROMA CACAO L. Sterculiaceae.**

Cacao.

From Ghana. Budsticks presented by the West African Research Institute,  
Tafo. Received May 27, 1960.

265849. Clone No. ACU 85. Tree No. 1088.

265850. Clone No. B 2. Tree No. 582.

265851. Clone No. C 22. Tree No. 428.

265852. Clone No. D 71. Tree No. 817.

265853. Clone No. D 71. Tree No. 857.

265854. Clone No. K 5. Tree No. 837.

265855. Clone No. P 30. Tree No. 204.

265856. Clone No. Y 44. Tree No. 300.

**265857 to 265886.**

From South America. Seeds collected by the Genecenter Expedition of the  
Max-Planck Institut, Koln-Vogelsang, in the Andes. Numbered May  
27, 1960.

265857 and 265858. SOLANUM BERTHAULTII Hawkes Solanaceae.

265857. R 58/449. EBS 1799.

265858. R 58/497. EBS 1846.

265859. SOLANUM BIGEMINATUM Nees

R 58/1040. EBS 1890.



**265857 to 265886—Continued**

265860 and 265861. *SOLANUM BOLIVIENSE* Dunal

265860. R 58/445. EBS 1795.

265861. R 58/492. EBS 1847.

265862. *SOLANUM CALCENSE* Hawkes

R 58/1030. EBS 1880.

265863 and 265864. *SOLANUM CANASENSE* Hawkes

265863. R 58/475. EBS 1825.

265864. R 58/481. EBS 1831.

265865. *SOLANUM FAMATINAE* Bitt. & Wittm.

R 58/465. EBS 1815.

265866. *SOLANUM GANDARILLASII* Card.

R 58/491.

265867. *SOLANUM INFUNDIBULBIFORME* Phil.

R 58/456. EBS 1806.

265868 and 265869. *SOLANUM LAPAZENSE* Hawkes

265868. R 58/466. EBS 1816.

265869. R 58/470. EBS 1820.

265870. *SOLANUM LIGNICAULE* Vargas

R 58/1043. EBS 1893.

265871. *SOLANUM LIRIUNIANUM* Cardenas & Hawkes

R 58/462. EBS 1812.

265872. *SOLANUM MEDIANS* Bitt.

R 58/1035. EBS 1905.

265873 and 265874. *SOLANUM MEGISTACROLOBUM* Bitter

265873. R 58/443. EBS 1793.

265874. R 58/458. EBS 1808.

265875 and 265876. *SOLANUM NEOHAWESII* Ochoa

265875. R 58/1032. EBS 1882.

265876. R 58/1049. EBS 1899.

265877 and 265878. *SOLANUM RAPHANIFOLIUM* Cardenas & Hawkes

265877. R 58/1019. EBS 1869.

265878. R 58/1023. EBS 1879.

265879. *SOLANUM SANCTAE-ROSAE* Hawkes

R 58/433. EBS 1783.

265880. *SOLANUM SANDEMANII* Hawkes

R 58/1017. EBS 1867.

265881. *SOLANUM SIMPLIFOLIUM* Bitter

R 58/452. EBS 1802.

265882 and 265883. *SOLANUM SUCRENSE* Hawkes

265882. R 58/447. EBS 1797.

265883. R 58/500. EBS 1850.

265884. *SOLANUM YUNGASENSE* Hawkes

R 58/1012. EBS 1862.

## 265857 to 265886—Continued

265885. *SOLANUM* sp.

R 58/439. EBS 1789.

265886. *SOLANUM* sp.

R 58/1060. EBS 1910.

265887. *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**

From the Netherlands. Seeds presented by the Institute of Horticultural Plant Breeding, Wageningen. Received May 27, 1960.

No. 58049. 'Improved Long Green'.

265888. *ECBALLIUM ELATERIUM* (L.) A. Rich. Cucurbitaceae.  
**Squirting-cucumber.**

From Spain. Seeds presented by the Instituto Nacional para la Produccion de Semillas Selectas, Madrid. Received June 1, 1960.

'Cohombrillo Amargo'.

265889. *CEDRUS LIBANII* A. Rich. Pinaceae. **Cedar-of-Lebanon.**

From Spain. Seeds presented by the United States Embassy, Madrid. Received June 1, 1960.

'La Granja'.

## 265890 to 265906.

From Hong Kong. Seeds presented by the Gardens Division, Urban Services Department, Victoria. Received June 1, 1960.

265890. *CELASTRUS HINSII* Benth. Celastraceae.265891. *CELASTRUS HINDSII* Benth. Celastraceae.265892. *ELAEAGNUS TUTCHERI* Dunn. Elaeagnaceae.265893. *ENKLIANTHUS QUINQUEFLORUS* Lour. Ericaceae.265894. *ERYTHRINA VARIEGATA* Stickm. Fabaceae.265895. *EUONYMUS CHINENSIS* Lindl. Celastraceae.265896. *EVODIA LEPTA* (Spreng.) Merrill Rutaceae.265897. *EVODIA MELIIFOLIA* (Hance) Benth. Rutaceae.265898. *ILEX ASPRELLA* Champ. ex Benth. Aquifoliaceae.265899. *ILEX CINEREA* Champ.265900. *ILEX PUBESCENS* Hook. & Arn.265901. *LAWSONIA INERMIS* L. Lythraceae.**Henna.**265902. *LIQUIDAMBAR FORMOSANA* Hance. Hamamelidaceae.**Formosa sweetgum.**265903. *PYRACANTHA CRENULATA* (D. Don) Roemer Malaceae.**Nepal firethorn.**265904. *QUERCUS MYRSINIFOLIA* Blume Fagaceae.265905. *STYRAX SUBERIFOLIA* Hook. & Arn. Styracaceae.265906. *STYMPLOCOS CRASSIFOLIA* Benth. Symplocaceae.265907. *ALOPECURUS PRATENSIS* L. Poaceae. **Meadow foxtail.**

From Czechoslovakia. Seeds presented by the Vyzkumny Ustav Krmivarsky, Troubsko u Brna. Received June 1, 1960.

**265908 and 265909. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From Germany. Seeds presented by the Botanische Garten zu Halle (Saale).  
Received June 1, 1960.

265908. 'Botan'. Garten Halle (Saale). 1959.

265909. 'Ratswiere'. 1957.

**265910 to 265913.**

From Germany. Seeds presented by the Saatzuchwirtschaft, Franz Strube  
Company Limited, Schoningen, Sollingen. Received June 1, 1960.

265910 and 265911. AVENA SATIVA L. Poaceae. Common oats.

265910. 'Hafer Erfolg'.

265911. 'Hr. Yelbhafer II'.

265912 and 265913. TRITICUM AESTIVUM L. Poaceae. Common wheat.

265912. 'Sommerweizen Grano'.

265913. 'Sommerweizen Fortschritt'.

**265914 to 265945.**

From Germany. Plants presented by the Palmengarten, Frankfurt-am-Main.  
Received June 2, 1960.

265914. ALOCASIA KORTHALSII Schott Araceae.

265915. ALOCASIA MICHOLITZIANA Sander

265916. CHLOROPHYTUM BICHETTI (S. Karrer) Backer Liliaceae.

265917. ANTHURIUM sp. Araceae.

265918. APHELANDRA TETRAGONA Nees Acanthaceae.

265919. APHELANDRA FUSCOPUNCTATA Markgr.

265920. APHELANDRA (hybrid)

265921. ARISTOLOCHIA LEUCONEURA Linden Aristolochiaceae.

265922. BEGONIA CRISPULA Brade Begoniaceae.

265923. BEGONIA RAJAH Ridley

265924. CALATHEA CHANTRIERI Bailey Maranthaceae.

265925. CALATHEA ILLUSTRIS Hort. ex Correa.

265926. CALATHEA LINDENIANA Wallis.

265927. CARLUDOVICA PLICATA Koltzsch Cyclanthaceae.

'Picta'.

265928. CLUSIA FLUMINENSIS Planch & Triana. Clusiaceae.

265929. COSTUS IGNAEUS N.E.Br. Zingiberaceae.

265930. CYCLANTHUS CRISTATUS Klotzsch Cyclanthaceae.

265931. GURANIA MALACOPHYLLA Barb. Rodr. Cucurbitaceae.

265932. HOYA MULTIFLORA Blume Asclepidaceae.

265933. IMPATIENS NIAMNIAMENSIS Gilg. Impatiaceae.

265934. LYCOPODIUM SQUARROSUM Forst. Lycopodiaceae.

265935. LYCOPODIUM sp.

265936. MYRIOCARPA DENSIFLORA Benth. Urticaceae.

265937. PIPER CROCATUM R. & P. Piperaceae.



**265914 to 265945—Continued**265938. *PIPER ORNATUM* N. Br. Piperaceae.

'Typicum'.

265939. *PLATYCERIUM ANGOLENSE* Welw. Polypodiaceae.265940. *ROUPALA MACROPHYLLA* Pohl Proteaceae.

'Corcovadensis'.

265941. *SCUTELLARIA VILLOSA* Hook. Menthaceae.265942. *SELAGINELLA PATULA* Spring. Selaginellaceae.265943. *SINNINGIA PUSILLA* Baill. Gesneriaceae.265944. *TYPHONODORUM LINDLEYANUM* Schott Araceae.265945. *UTRICULARIA LONGIFOLIA* Gardn. Pinguiculaceae.**265946 to 265950. *LOLIUM PERENNE* L. Poaceae.****Perennial ryegrass.**

From Denmark. Seeds presented by the Seed Testing Committee, Royal Danish Agricultural Society, Copenhagen. Received June 2, 1960.

265946. No. 550685. 'Eagle Hill III'. Late type.

265947. No. 550686. 'E.F. Trifolium III'. Early type.

265948. No. 550687. 'Stensballe III'. Early type.

265949. No. 550688. 'Pajbjergfonden Verna III'. Early type.

265950. No. 550689. 'Pajbjergfondem Ereto III'. Early type.

**265951. *CANTUA BUXIFOLIA* Lam. Polemoniaceae.**

From France. Plants presented by Julian Marmier, La Postolle. Received May 20, 1960.

**265952. *PYRUS NIVALIS* Jacq. Malaceae.**

From the Netherlands. Seeds presented by the Hortus Botanicus Academicus, Lugduno-Batavus, Leiden. Received June 6, 1960.

**265953 and 265954. *ALOPECURUS* (hybrids) Poaceae. Foxtail.**

From Germany. Seeds presented by the Max-Planck-Institut, Köln-Vogelsang. Received June 6, 1960.

265953. No. 866.

265954. No. 874.

**265955 to 265957. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.**

From the United States. Seeds presented by J. C. Gilbert, Wooster, Ohio. Numbered June 6, 1960.

Plants determinate, vigorous, large; fruit uniform ripening, has immature color. Resistant to root knot from common races of *Meloidogyne incognita*. True breeding for resistance to *Fusarium* wilt, *Stemphylium solani* and spotted wilt virus, Hawaii strain.

265955. 'Anahu'. HES 6360.

265956. 'Koles C'. Similar to 'Bounty' but has disease resistance.

265957. HES 6321 (6147). Rates high in fruit size, productivity and uniformity. Open vine type.

**265958 to 265969.**

From Canada. Seeds presented by Hogg & Lytle Limited, Oakwood, Ontario. Received June 6, 1960.

**265958 to 265969—Continued**

265958 to 265961. *AVENA SATIVA* L. Poaceae. Common oats.

265958. 'Blenda'.

265959. 'Lightning' ('Blixt').

265960. 'Nip Black'.

265961. 'Stromogul Black'.

265962 to 265967. *HORDEUM VULGARE* L. Poaceae. Barley.

265962. 'Asa'. Six rowed.

265963. 'Edda II'. Six rowed.

265964. 'Freja'.

265965. 'Pallas'.

265966. S 02102.

265967. SV 04080.

265968. *SECALE CEREALE* L. Poaceae. Rye.

'Midsummer'.

265969. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

'Drott'. Svalof spring type.

265970. *ARACHIS HYPOGAEA* L. Fabaceae. Peanut.

From the Netherlands. Seeds presented by the Laboratory of Tropical Agriculture, Wageningen. Received June 6, 1960.

'Schwarz No. 21'.

265971 to 265997. *ZEA MAYS* L. Poaceae. Corn.

From Mexico. Seeds presented by the Oficina de Estudios Especiales, Secretaria de Agricultura y Ganaderia, Londres. Received June 6, 1960.

265971. 'Arrocillo Amarillo'.

265985. 'Jala'.

265972. 'Arrocillo Blanco'.

265986. 'Nal-Tel'.

265973. 'Bolita'.

265987. 'Olotillo'.

265974. 'Cacahuacintle'.

265988. 'Oloton'.

265975. 'Celaya'.

265989. 'Palomero Tolugueno'.

265976. 'Chalgueno'.

265990. 'Pepitilla'.

265977. 'Chapalote'.

265991. 'Reventador'.

265978. 'Comitew'.

265992. 'Tabloneillo'.

265979. 'Conico'.

265993. 'Tebua'.

265980. 'Conico Norteno'.

265994. 'Tepecintle'.

265981. 'Dulce'.

265995. 'Tuxpeno'.

265982. 'Fapalote Chico'.

265996. 'Tuxpeno Delgado'.

265983. 'Fapalote Grande'.

265997. 'Vandeno'.

265984. 'Harinosa de Ocho'.

265998. *HIBISCUS CANNABINUS* L. Malvaceae. Kenaf.

From Viet-Nam. Seeds presented by the United States Operations Mission, Saigon. Received June 6, 1960.

'Thai Red'.

**265999 to 266003. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From Bulgaria. Seeds presented by the Bulgarian Academy of Sciences, Institute of Plant Growing, Plant Introduction Department, Sofia. Received June 6, 1960.

265999. 'Goena-Banja'.

266002. 'Warburg'.

266000. 'Thbinskii'.

266003. 'Wyczynilc Lakowy'.

266001. 'Vetrovsky'.

From Czechoslovakia.

**266004. TRITICUM AESTIVUM L. Poaceae. Common wheat.**

From Turkey. Seeds presented by the Regional Seed Improvement and Experiment Station, Adapazari. Received June 6, 1960.

'Albidum'. Winter-hardy, early-maturing variety, primarily from Marmara and Ege Regions. Head beardless, midlong, erect; outer glume wide, white; shoulder wide; beak very short; kernel medium size, elliptical, slight blunt brush ends; straw strong, stands well in field maturity; grain white, high test weight. Resistant to bunt and loose smut; moderately resistant to stem and leaf rust. Has fair milling and baking properties.

**266005. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From Yugoslavia. Seeds presented by the Institute for Plant Breeding and Plant Production, Department of Introduction, Zemun. Received June 6, 1960.

**266006 to 266010. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From Poland. Seeds presented by the Panswowy Instytut Naukowy, Lecznieznych Surowcow Roslinnych, Poznaniu. Received June 6, 1960.

Collected in the Notec River valley.

266006. No. 150. Old pasture, Netuszkowo, District Chodziej, Palatinate Poznan.

266007. No. 344. Meadow, Nietuszkowo, District Chodziej, Palatinate Poznan.

266008. No. 386. Meadow, Trojanka, District Chodziej, Palatinate Poznan.

266009. No. 493. Meadow, Chrustowo, District Chodziej, Palatinate Poznan.

266010. No. 607. Meadow, Rynarzewo, District Szubinx, Palatinate Bydgoszcz.

**266011. CLEMATIS ARISTATA R. Br. Ranunculaceae.**

From Australia. Seeds presented by Commonwealth Scientific and Industrial Research Organization, Hobart, Tasmania. Received June 7, 1960.

**266012 to 266031. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. Watermelon.**

From Venezuela. Seeds presented by the Instituto de Genetica, Facultad de Agronomia, Maracay. Received June 7, 1960.

Tetraploid.

266012. 59.1006 (1) (X).

266017. 59.1006 (6) (X).

266013. 59.1006 (2) (X).

266018. 59.1006 (8) (X).

266014. 59.1006 (3) (X).

266019. 59.1006 (9) (X).

266015. 59.1006 (4) (X).

266020. 59.1006 (10) (X).

266016. 59.1006 (5) (X).

266021. 59.1006 (11) (X).



**266012 to 266031—Continued**

266022. 59.1006 (16) (X).	266027. 59.1007 (1) (X).
266023. 59.1006 (17) (X).	266028. 59.1007 (2) (X).
266024. 59.1006 (18) (X).	266029. 59.1006 (3) X 59.1007 (1).
266025. 59.1006 (20) (X).	266030. 59.1006 (4) X 59.1007 (1).
266026. 59.1006 (23) (X).	266031. 59.1006 (17) X 59.1007 (1).

**266032 to 266037.**

From Germany. Plants presented by F. Bergmann, Potsdam. Received Nov. 20, 1959. Numbered June 7, 1960.

266032. *CYTISUS PURPUREUS* Scop. Fabaceae. **Broom.**  
No. 6.

266033 to 266035. *LABURNOCYTISUS* × *ADAMII* (Poit.) Schn. Fabaceae.

266033. No. 11.

266034. No. 12.

266035. No. 13.

266036 and 266037. *LABURNUM ANAGYROIDES* Medicus Fabaceae. **Goldenchain.**

266036. No. 2.

266037. No. 5.

**266038 to 266042.**

From Mexico. Seeds presented by the Oficina de Estudios Especiales, Secretaria de Agricultura y Ganaderia, Mexico, D.F. Received June 7, 1960.

May be resistant to *Phytophthora* diseases.

266038 to 266040. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**

266038. 59C-110. Selfed.

266039. 59C-160. Selfed.

266040. 59C-161. Selfed.

266041 and 266042. *CAPSICUM PENDULUM* Willd.

266041. 59C-162. Selfed.

266042. 59C-163. Open pollinated.

266043. *MICROTRUS WARBURGIANA* (F. W. Bail.) Tan. Rutaceae.

From New Guinea. Fruits presented by the Department of Agriculture, Port Moresby, Papua. Received June 7, 1960.

Collected in eastern Papua.

**266044 to 266052.**

From Poland. Seeds presented by Wyzsza Szkoła Rolnicza w Olsztynie, Zakład Cytogenetyki. Received June 7, 1960.

266044. *TRIFOLIUM HYBRIDUM* L. Fabaceae. **Alsike clover.**

266045 to 266052. *TRIFOLIUM PRATENSE* L. **Red clover.**

266045. 'Gloria'.

266046. 'Hruszowska'.

266047. 'Wielkolistna'.

**266044 to 266052—Continued****266045 to 266052—Continued**

Local ecotypes.

266048. No. 434.

266051. No. 530.

266049. No. 447.

266052. No. 614.

266050. No. 527.

**266053 and 266054.**

From Belgium. Seeds presented by the Jardin Botanique, Plantentuin, Antwerp. Received June 7, 1960.

266053. *ALOPECURUS PRATENSIS* L. Poaceae.

Meadow foxtail.

266054. *RUBUS ILLECEBROSUS* Focke. Rosaceae.**266055 to 266059. MANGIFERA INDICA L. Anacardiaceae.****Mango.**

From Pakistan. Grafted plants presented by the United States Operations Mission, Lahore. Numbered June 7, 1960.

266055. 'Aman Dusehri'.

266058. 'Samar Behishet'.

266056. 'Fajri'.

266059. 'Him Sagar'  
( 'Cool Sea' ).

266057. 'Langra'.

**266060 to 266068. SORGHUM BICOLOR (L.) Moench Poaceae.**

From Guatemala. Seeds presented by the Institute of Inter-American Affairs, United States Embassy, Guatemala City. Received June 7, 1960.

266060. No. 6907. Col. 1. Cubulco.

266061. No. 6911. Col. 5. St. Cruz el Chol.

266062. No. 6913. Col. 7. Saltan.

266063. No. 6915. Col. 9. Suacite.

266064. No. 6916. Col. 10. Tiucal.

266065. No. 6917. Col. 11. Villa Linda N.P.

266066. No. 6918. Col. 12. Ipala.

266067. No. 6919. Col. 13. Quezaltepeque.

266068. No. 6920. Col. 14. Carrizal, Chig.

**266069 and 266070. PISUM SATIVUM L. Fabaceae.**

From Sweden. Seeds presented by the Plant Breeding Institute, Weibullsholm, Landskrona. Received June 7, 1960.

Internodes long (Plant height ca. 170 cm.); flowers white; cotyledons green; seeds round, smooth; pod wall normal thickness.

266069. Line No. 110. Selection from the French variety 'Roi des Gourmands'.

266070. Line No. 930. Single plant selection from the 'Kloster Pea' ('Monopol'  $\times$  'Ambrosia').**266071 to 266075. GOSSYPIUM (hybrids). Malvaceae. Cotton.**

From France. Seeds presented by the Institut de Recherches du Coton et des Textiles Exotiques, Paris. Received June 7, 1960.

266071. Plant No. 35. F2 D5  $\times$  D1.266072. Plant No. 38. F2 D5  $\times$  D1.266073. Plant No. 48. F2 D5  $\times$  D1.266074. Plant No. 63. F2 D5  $\times$  D1.266075. D5  $\times$  D1. Seed parent fertile, nonphotoperiodic, leaves slightly lobed, recovered in the F<sub>3</sub>.

**266076 to 266084. ORYZA SATIVA L. Poaceae.**

From India. Seeds presented by the Ministry of Food and Agriculture, Central Rice Research Institute, Cuttack, Orissa State. Received June 7, 1960.

266076. GS. No. 339.

266081. GS. No. 509.

266077. GS. No. 340.

266082. Ac. No. 1672.

266078. GS. No. 355.

266083. Ac. No. 1678.

266079. GS. No. 507.

266084. Ac. No. 1711.

266080. GS. No. 508.

**266085. GLYCINE MAX (L.) Merrill Fabaceae. Soybean.**

From Malaya. Seeds presented by the United States Embassy, Kuala Lumpur. Received June 7, 1960.

**266086. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus Botanicus Academiae Scientiarum, Kazachstan. Received June 7, 1960.

**266087. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From Poland. Seeds presented by the Hortus Botanicus, Universitatis Varsaviensis, Warszawa. Received June 7, 1960.

**266088 and 266089. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From Germany. Seeds presented by the Botanisches Institut und Botanischer Garten der Universität, Tübingen. Received June 7, 1960.

266088. No. 1.

266089. No. 2.

**266090 to 266098. ORYZA SATIVA L. Poaceae.**

From Ceylon. Seeds presented by the Department of Agriculture, Peradeniya. Received June 7, 1960.

266090. 'Dahanala 2014'.

266095. 'Murunga 308'.

266091. 'Heenati 309'.

266096. 'Pachchaiperumal 2462/11'.

266092. 'Heenati 310'.

266097. 'Suduwi 305'.

266093. 'Murunga 137'.

266098. 'Suduwi 306'.

266094. 'Murunga 307'.

**266099 to 266104.**

From Poland. Seeds presented by the Instytut Hodowli i Aklimat. Roslin Zakład Buraka i Innych Roslin Korzeniowych Bydgoszcz. Received June 7, 1960.

266099. BETA PATELLARIS Moq. Chenopodiaceae.

'Campanulata'.

266100 to 266104. BETA VULGARIS L. Chenopodiaceae.

Beet.

266100. Self sterile bigerm. Bi IHAR.  $2n=18$ .266101. Self sterile monogerm. Mono IHAR.  $2n=18$ .266102. Self sterile monogerm. Tetra-Mono IHAR.  $2n=36$ .266103. Self sterile polygerm. Tetra PCR Nr. 6 IHAR.  $2n=36$ .266104. Poly Mono IHAR.  $/2 \times - 3 \times - 4 \times /$ .



**266105 to 266107. LOLIUM PERENNE L. Poaceae.****Perennial ryegrass.**

From New Zealand. Seeds presented by the Grasslands Divisions of the Department of Scientific and Industrial Research, Palmerston North. Received June 7, 1960.

From Brussels, Belgium.

266105. 'Anglais'. Lawngrass.

266106. 'd' Italie'. Prairiegrass.

266107. 'de Lacey'. Lawn- or prairiegrass.

**266108 and 266109.**

From Czechoslovakia. Seeds, presented by the Jardin Botanique de l'Ecole Technique d'Agriculture, Tabor. Received June 7, 1960.

266108. ALOPECURUS ARUNDINACEUS Poir. Poaceae.

266109. ALOPECURUS PRATENSIS L. Meadow foxtail.

**266110. TRITICUM AESTIVUM L. Poaceae. Common wheat.**

From the Union of South Africa. Seeds presented by the Winter Rainfall Region Laboratory, Stellenbosch. Received June 7, 1960.

**266111 and 266112. LOLIUM MULTIFLORUM Lam. Poaceae. Italian ryegrass.**

From Uruguay. Seeds presented by the Ministerio de Ganaderi y Agricultura, Colonia. Received June 7, 1960.

266111. 'La Estanzuela 284'.

266112. 'La Estanzuela, Ciclo Largo'.

**266113. LOLIUM PERENNE L. Poaceae. Perennial ryegrass.**

From New Zealand. Seeds presented by the United States Agricultural Attache, Wellington. Received June 7, 1960.

**266114 to 266123. ORYZA SATIVA L. Poaceae.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received June 8, 1960.

266114. K-3772. 'Dichroa'. 266119. K-3672. 'Erythroceros'.

266115. K-3599. 'Italica'. 266120. K-3673. 'Italica'.

266116. K-3638. 'Subvulgaris'. 266121. K-3753. 'Italica'.

266117. K-3639. 'Italica'. 266122. K-3870. 'Italica'.

266118. K-3670. 'Zeravschanica'. 266123. K-3626. 'Zilanica'.

**266124 to 266135. HORDEUM VULGARE L. Poaceae. Barley.**

From Sweden. Seeds presented by the Swedish State Plant Protection Institute, Svalov. Received June 8, 1960.

266124. 'Asa'. 266130. 'Pallas'.

266125. 'Bonus'. 266131. 'Presto'.

266126. 'Bore II'. 266132. 'Primus II'.

266127. 'Brage'. 266133. 'Stella'.

266128. 'Edda II'. 266134. 'Svanhals'.

266129. 'Freja'. 266135. 'Ymer'.

**266136 to 266157. TRITICUM AESTIVUM L. Poaceae.****Common wheat.**

From Italy. Seeds presented by the Instituto di Agronomia Generale, e Coltivazioni Erbacee, Universita di Padova, Padova. Received June 8, 1960.

266136. 'Argelato T. 22'.	266147. 'Leonardo'.
266137. 'Argento'.	266148. 'Leone'.
266138. 'ATM 43'	266149. 'Mara'.
266139. 'Campodoro'.	266150. 'Mara Migliorato'.
266140. 'Carlo Gallini'.	266151. 'Mo Mimpas'.
266141. 'Conte Marzotto'.	266152. 'Mo Tepas'.
266142. 'Damiano Chiesa'.	266153. 'Produttore S. 6'.
266143. 'Funello'.	266154. 'S. A. Marimp 3'.
266144. 'Funotto'.	266155. 'S. A. Marimp 8'.
266145. 'Generoso Fam 7'.	266156. 'S. Pastore'.
266146. 'Glutinoso S. 15'.	266157. 'Tipo Acciaio'.
	Stirpe C 2-6-1.

**266158 and 266159. SORGHUM (hybrids). Poaceae.**

From Nigeria. Seeds presented by H. Royer, Waka via Biu & Jos. Received June 8, 1960.

266158. Jerima Chibuk'.  
266159. 'Twin Sorghum'.

**266160 to 266163. ORYZA SATIVA L. Poaceae.**

From Hungary. Seeds presented by the National Institute of Agrobotany, Tapioszele. Received June 9, 1960.

266160. 'Omirt. 39'. Selection from 'Unghan Shali'. Seedlings emerge mid-May, flower August 4, ripen September 15. Height 35.5 inches; blast resistance very poor; resistance to lodging poor; 18 percent shatter, yield excellent.
266161. 'Szegedi Szakalas 28'. Selection from 'Arpa Shali'. Seedlings emerge mid-May, flower August 8, ripen September 19. Height 43.25 inches; blast resistance poor; resistance to lodging very poor; 14 percent shatter, yield good.
266162. 'Szegedi Szakalas 30'. Selection from 'Arpa Shali'. Seedlings emerge mid-May, flower August 8, ripen September 19. Height 43.25 inches; blast resistance poor; resistance to lodging very poor; 14 percent shatter, yield good.
266163. 'Omirt 168'. Selection from 'Dunghan Shali'. Seedlings emerge mid-May, flower August 4, ripen September 15. Height 35.5 inches; blast resistance very poor; resistance to lodging poor; 17 percent shatter, yield excellent.

**266164 to 266183.**

From Japan. Seeds presented by the Sanwa Trading Company, Limited Nakanegishi, Isogo-ku. Numbered June 9, 1960.

266164. ABIES SACHALINENSIS var. MAYRIANA Miyab & Kudo. Pinaceae.  
Sakhalin fir.
266165. CERCIS CHINENSIS Bunge Caesalpiniaceae. Chinese redbud.
- 266166 and 266167. CORNUS CONTROVERSA Hemsley. Cornaceae.  
Giant dogwood.

266166. No data.

266167.

## 266164 to 266183—Continued

266168. *DISANTHUS CERCIDIFOLIA* Maxim. Hamamelidaceae.  
 266169. *ILEX INTEGRA* Thunb. Aquifoliaceae.  
 266170. *ILEX LATIFOLIA* Thunb.  
 266171. *ILEX MONTANA* var. *MACROPODA* Fernald  
 266172. *ILEX PEDUNCULOSA* Miquel  
 266173. *ILEX PEDUNCULOSA* Miquel  
     'Fujisanensis'.  
 266174. *JUNIPERUS CONFERTA* Parlatores Pinaceae.  
 266175. *MAGNOLIA OBOVATA* Thunb. Magnoliaceae.  
 266176. *MAGNOLIA STELLATA* (Sieb. & Zucc.) Maxim.  
 266177. *PINUS KORAIENSIS* Sieb. & Zucc. Pinaceae. Korean pine.  
 266178. *PINUS PARVIFLORA* Sieb. & Zucc. Japanese white pine.  
 266179. *PINUS THUNBERGII* Parl. Japanese black pine.  
 266180. *RHODODENDRON JAPONICUM* (Gray) Schneid. Ericaceae. Japanese azalea.  
 266181. *TUMION NUCIFERUM* (L.) Greene Taxaceae.  
 266182. *VIBURNUM FURCATUM* Blume Caprifoliaceae. Forked viburnum.  
 266183. *VIBURNUM WRIGHTII* Miquel Wright viburnum.

## 266184 to 266190.

From Jordan. Seeds presented by the United States Operations Mission, Amman. Received June 9, 1960.

266184. *HYPARRHENIA HIRTA* (L.) Stapf Poaceae.  
 266185. *PENNISSETUM ORIENTALE* L. C. Rich. Poaceae.  
 266186. *PHALARIS CANARIENSIS* L. Poaceae. Canarygrass.  
 266187. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.  
 266188. *SORGHUM BICOLOR* (L.) Moench Poaceae.  
 266189. *STIPA AVENACEA* L. Poaceae.  
 266190. *VICIA SATIVA* L. Fabaceae. Common vetch.

## 266191 to 266194.

From the Union of South Africa. Seeds presented by the Division of Crops and Pastures, Department of Agriculture Pretoria. Received June 9, 1960.

266191. *ANDROPOGON APPENDICULATUS* Nees Poaceae.  
 266192. *DICHANTHIUM ARISTATUM* (Poir.) C. E. Hubb.  
 266193. *BOTHRIODCHLOA INSCULPTA* (Hochst.) A. Camus Poaceae.  
 266194. *BOTHRIODCHLOA INTERMEDIA* (R. Br.) A. Camus

## 266195 to 266199.

From Argentina. Seeds presented by the Institute de Fitotecnica, Castelar, Province of LaPampa. Received June 9, 1960.

266195. *HORDEUM COMPRESSUM* Griseb. Poaceae.  
     From Anguil.  
 266196. *HORDEUM HEXAPLOIDUM* Covas  
     From El Carancho.



**266195 to 266199—Continued****266197. HORDEUM JUBATUM L.****Foxtail barley.**

From El Carancho.

**266198. HORDEUM STEBBINSII Covas**

From Anguil.

**266199. HORDEUM STENOSTACHYS Godr.**

From Anguil.

**266200 to 266204. NICOTIANA (hybrids). Solanaceae.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received June 9, 1960.

**266200. 'Majorca'. Few sucker.****266201. 'Ostrolist 2747'.****266202. 'Pogarski 3'.****266203. 'Samsun'. From Turkey 940.****266204. 'Samsun'. From Turkey 959.****266205 to 266209.**

From the Netherlands. Seeds presented by D. J. Van Der Have, Kapelle-Biezelinge. Received June 9, 1960.

**266205 and 266206. DACTYLIS GLOMERATA L. Poaceae.****Orchardgrass.****266205. 'Dorise'.****266206. 'Heidemii'.****266207 and 266208. FESTUCA RUBRA L. Poaceae.****Red fescue.****266207. 'Golfrood'.****266208. 'Sioux'.****266209. POA PRATENSIS L. Poaceae.****Kentucky bluegrass.****'Prato'.****266210 to 266213.**

From China. Seeds presented by the Ministry of Economic Affairs, Taiwan. Received June 9, 1960.

**266210. CENTROSEMA PUBESCENS Benth. Fabaceae.**

No. C25.

**266211. DESMODIUM INTORTUM (Mill.) Urb. Fabaceae.**

No. C50.

**266212. GLYCINE JAVANICA L. Fabaceae.**

No. C47. 'Rhodesian Kudzu'.

**266213. STYLOSANTHES GRACILIS HBK. Fabaceae.**

No. C45.

**266214 to 266220. GOSSYPIUM (hybrids). Malvaceae. Cotton.**

From Guadalcanal. Seeds presented by the Department of Agriculture, British Solomon Islands Protectorate, Honiara. Received June 10, 1960.

Long staple cotton growing on littoral coral detritus.

**266214. No. 1****266218. No. 5.****266215. No. 2.****266219. No. 6.****266216. No. 3.****266220. No. 7.****266217. No. 4.**

- 266221. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**  
From France. Seeds presented by the Museum d'Histoire Naturelle, Paris.  
Received June 10, 1960.
- 266222 to 266224. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**  
From Poland. Seeds presented by the Plant Breeding and Acclimatization  
Institute, Warsaw. Received June 10, 1960.
266222. 'Brudzynski'.  
266223. 'Polanowicki'.  
266224. 'Pudawski'.
- 266225. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.**  
From China. Seeds presented by the Joint Commission on Rural Reconstruc-  
tion, Taipei, Taiwan. Received 10, 1960.
- 266226. DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.**  
From Australia. Seeds presented by the University of Sydney, New South  
Wales. Received June 10, 1960.
- 266227 and 266228. PHALARIS AQUATICA L. Poaceae.**  
From Australia. Seeds presented by the Commonwealth Scientific and In-  
dustrial Research Organization, Canberra. Received June 10, 1960.
266227. No. 14418. From 13 miles south of Arronches, Portugal.  
266228. No. 14696. Near Aulmes-Thermes, Morocco.
- 266229 to 266264.**  
From Japan. Seeds presented by the Government Forest Experiment Station,  
Meguro. Received June 10, 1960.
- From Takizawa, Iwate Prefecture unless otherwise noted.
266229. *ACHILLEA PTARMICA* Linn. Asteraceae.  
'Macrocephala'.
266230. *ADENOPHORA TRIPHYLLA* A.DC. Campanulaceae.  
'Japonica'.
266231. *ALISMA PLANTAGO* Linn. Alismaceae.
266232. *ALNUS JAPONICA* Sieb. & Zucc. Betulaceae. **Japanese alder.**
266233. *ARALIA ELATA* (Miquel) Seem. Araliaceae.
266234. *CALLICARPA JAPONICA* Thunb. Verbenaceae. **Japanese beautyberry.**
266235. *CARDIOCRINUM CORDATUM* var. *GLEHNI* (Fr. Schm.) Owhi Lili-  
aceae.
266236. *CELASTRUS ARTICULATUS* Thunb. Celastraceae. **Oriental bittersweet.**
266237. *CONVALLARIA KEISKEI* Miq. Convallariaceae.
266238. *ELAEAGNUS UMBELLATA* Thunb. Elaeagnaceae. **Autumn elaeagnus.**
266239. *EUONYMUS ALATUS* (Thunb.) Rupr. Celastraceae. **Winged euonymus.**
266240. *EUONYMUS OXPHYLLUS* Miquel
266241. *GYMNADENIA CAMTSCHATICA* Miyabe & Kudo Orchidaceae. **Orchid.**
266242. *HYDRANGEA PANICULATA* Siebold Hydrangeaceae.
266243. *JUGLANS AILANTHIFOLIA* Carr. Juglandaceae.  
Tamayama, Iwate Prefecture.

## 266229 to 266264—Continued

266244. *JUGLANS CORDIFORMIS* Maxim. Juglandaceae. Flat walnut.  
Hirosaki, Aomori Prefecture.
266245. *KALOPANAX PICTUM* (Thunb.) Nakai Araliaceae.
266246. *LITHOSPERMUM ERYTHORRHIZON* Sieb. & Zucc. Boraginaceae.
266247. *LYSIMACHIA VULGARIS* L. Primulaceae. Golden loosestrife.
266248. *MAGNOLIA KOBUS* DC. Magnoliaceae. Kobus magnolia.
266249. *MAGNOLIA OBOVATA* Thunb.
266250. *MALUS BACCATA* var. *MANDSHURICA* (Maxim.) C.Scheid. Malaceae.  
Manchurian crabapple.
266251. *MELANDRIUM FIRMUM* (Sieb. & Zucc.) Rhohrbach Silenaceae.
266252. *PAEONIA JAPONICA* Miyabe & Takeda Ranunculaceae.
266253. *PATRINIA SCABIOSIFOLIA* Fisch. Valerianaceae.
266254. *RHAMNUS DAVURICA* var. *NIPPONICA* Makino Rhamnaceae.
266255. *RHAMNUS JAPONICA* Maximowicz.
266256. *RHUS JAVANICA* L. Anacardiaceae. Java sumac.
266257. *SORBUS ALNIFOLIA* (Sieb. & Zucc.) Koch Malaceae.
266258. *SPIRAEA JAPONICA* L.f. Rosaceae. Japanese spirea.
266259. *STAPHYLEA BUMALDA* DC. Staphyleaceae.
266260. *SWERTIA BIMACULATA* (Sieb. & Zucc.) Hook. f. & Thom.  
Gentianaceae.
266261. *SYMPLOCOS CHINENSIS* Koidzumi Symplocaceae.  
'Pilisa'.
266262. *VACCINIUM OLDHAMII* Miq. Vacciniaceae.
266263. *VERONICASTRUM SIBIRICUM* (L.) Pennell Scrophulariaceae.  
'Japonicum'.
266264. *VIBURNUM OPULUS* L. Caprifoliaceae. European cranberrybush.  
'Calvescens'.

## 266265 to 266290.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received June 13, 1960.

- 266265 to 266267. *AVENA BYZANTINA* Koch Poaceae. Oats.
266265. K-4085.
266266. K-4783/I.
266267. K-5396.
- 266268 to 266271. *AVENA SATIVA* L. Common oats.
266268. 'Aurea K-2605'.
266269. 'Aurea K-6120'.
266270. 'Aurea K-7567'.
266271. 'Aurea K-9623'.
266272. *AVENA SATIVA* var. *ARISTATA* Schlecht. Oats.  
K-10064.
- 266273 and 266274. *AVENA SATIVA* var. *CINEREA* Koern. Oats.
266273. K-10069.
266274. K-10089.



## 266265 to 266290—Continued

266275. *AVENA SATIVA* var. *GRISEA* Koern. Oats.  
K-10890.

266276 to 266290. *AVENA SATIVA* var. *MUTICA* Schlecht. Oats.

266276. K-2590. 266284. K-9523.

266277. K-3142. 266285. K-9524.

266278. K-3969. 266286. K-9624.

266279. K-6032. 266287. K-10066.

266280. K-6103. 266288. K-10780.

266281. K-6115. 266289. K-10789.

266282. K-8077. 266290. K-10829.

266283. K-9371.

266291 to 266293. *LOLIUM PERENNE* L. Poaceae.

**Perennial ryegrass.**

From the Netherlands. Seeds presented by Barenburg's Zaadhandel N. V. Arnhem. Received June 13, 1960.

266291. 'Barenza'. Early hay type.

266292. 'Barenza'. Late hay type.

266293. 'Barenza'. Pasture type.

266294. *LUPINUS ALBUS* L. Fabaceae.

**White lupine.**

From Australia. Seeds presented by the Institute of Agriculture, University of Western Australia, Nedlands. Received June 13, 1960.

266295 to 266304. *LUPINUS LUTEUS* L. Fabaceae.

**European yellow lupine.**

From Sweden. Seeds presented by the Sveriges Utsadesforening, Landskrona. Received June 13, 1960.

T 1 to T 14 are X-ray mutations.

266295. T 1. 266299. T 8. Early.

266296. T 2. 266300. T 12

266297. T 4. 266301. T 14.

266298. T 6.

266302. Line 01007. Yellow sweet  $\times$  yellow bitter; vigorous grower, early ripening, good yielder.

266303. Line 01008. Yellow sweet  $\times$  yellow bitter; vigorous grower, early ripening, good yielder.

266304. 'Svalofs Borre'. Sweet blue lupine.

266305. *MELOCANNA BACCIFERA* (Roxb.) Kurz. Poaceae.

From Burma. Seeds presented by the United States Embassy, Rangoon. Received June 14, 1960.

266306 to 266374.

From Japan. Seeds presented by H. Kubota, Nikko, Tochigi-Prefecture. Received June 14, 1960.

266306. *ACANTHOPANAX SCIADOPHYLLOIDES* Franch & Savat. Araliaceae.

266307. *ACER ARGUTUM* Maxim. Aceraceae. Maple.

266308. *ACER CARPINIFOLIUM* Sieb. & Zucc. Hornbeam maple.

266309. *ACER CAUDATUM* var. *UKURUNDUENSE* Rehder Maple.

## 266306 to 266374—Continued

266310. *ACER CISSIFOLIUM* (Sieb. & Zucc.) Koch Maple.
266311. *ACER CRATAEGIFOLIUM* Sieb. & Zucc. Maple.
266312. *ACER DIABOLICUM* Blume ex Koch Devil maple.
266313. *ACER DISTYLIUM* Sieb. & Zucc. Maple.
266314. *ACER JAPONICUM* Thunb. Fullmoon maple.
266315. *ACER MICRANTHUM* Sieb. & Zucc. Maple.
266316. *ACER MONO* Maxim. Maple.
- ‘Eupictum’.
266317. *ACER PALMATUM* Thunb. Japanese maple.
- ‘Dissectum’.
266318. *ACER PALMATUM* var. *HEPTALOBUM* Rehder Maple.
266319. *ACER SHIRASAWANUM* Koidzum Maple.
266320. *ACTINIDIA KOLOMIKTA* (Maxim.) Rupr. ex Maxim. Dilleniaceae.  
Kolomikta.
266321. *ARALIA ELATA* (Miquel) Seem. Araliaceae.
266322. *ARDISIA JAPONICA* (Thunb.) Blume Myrsinaceae.
266323. *BERBERIS THUNBERGII* var. *MAXIMOWICZII* Regel Berberidaceae.  
Coral barberry.
266324. *BETULA ERMANNII* Champ. Betulaceae.
266325. *BETULA GLOBISPICA* Shirai.
266326. *BETULA GROSSA* Sieb. & Zucc.
266327. *BETULA PLATYPHYLLA* var. *JAPONICA* (Miq.) Hara
266328. *BETULA SCHMIDTII* Regel Birch.
266329. *CALLICARPA JAPONICA* Thunb. Verbenaceae.  
Japanese beautyberry.
266330. *CARPINUS EROSA* Blume Betulaceae.
266331. *CERCIDIPHYLLUM JAPONICUM* Sieb. & Zucc. ex Miq.  
Trochodendraceae. Katsura-tree.
266332. *CERCIDIPHYLLUM MAGNIFICUM* Nakai
266333. *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl. Pinaceae.  
Hinoki cypress.
266334. *CLEMATIS OCHOTENSIS* Poir Ranunculaceae.
- ‘Japonica’. (Habitat: Nikko mountain range).
266335. *CLEMATIS STANS* Sieb. & Zucc.
266336. *ENKIANTHUS CAMPANULATUS* (Miquel) Nichols Eriaceae.  
Redvein enkianthus.
266337. *EUONYMUS PLANIPES* Koehne Celastraceae.
266338. *ILEX CRENATA* Thunb. Aquifoliaceae. Japanese holly.
266339. *ILEX CRENATA* ssp. *RADICANS* (Nakai) Tatewaki Japanese holly.
- 266340 and 266341. *ILEX LEUCOCLADA* Makino
266340. No. 1.
266341. No. 2.
266342. *ILEX PEDUNCULOSA* Miquel
266343. *ILEX RUGOSA* Fr. Schmidt
266344. *ILEX SERRATA* Thunb. Finetooth holly.
266345. *ILEX SERRATA* f. *LEUCOCARPA* Beissn.

## 266306 to 266374—Continued

266346. *ILEX SUGEROKII* Maxim.  
 266347. *JUNIPERUS CHINENSIS* var. *SARGENTII* Henry Pinaceae.  
 266348. *JUNIPERUS COMMUNIS* var. *NIPPONICA* (Maxim.) Wilson  
 266349. *LESPEDEZA NIPPONICA* Nakai Fabaceae.  
 266350. *LEUCOTHOE GRAYANA* Maxim. Ericaceae.  
     'Glauc'.  
 266351. *LEUCOTHOE GRAYANA* var. *OBLONGIFOLIA* (Miq.) Ohwi  
 266352. *LEUCOTHOE KEISKEI* Miquel  
 266353. *LYONIA NEZKII* Kakai & Hara Ericaceae.  
 266354. *PIERIS JAPONICA* (Thunb.) G. Don Ericaceae.  
 266355 and 266356. *PTEROSTYRAX HISPIDA* Sieb. & Zucc. *Styracaceae*.  
     Fragrant epaulette-tree.  
 266355. No. 1.  
 266356. No. 2.  
 266357. *RHODODENDRON JAPONICUM* (Gray) Schneid. Ericaceae.  
     Japanese azalea.  
 266358. *RHODODENDRON KEISKEI* Miquel  
 266359. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.) Wilson  
 266360. *RHODODENDRON RETICULATUM* D. Don ex G. Don  
 266361. *RHODODENDRON SCHLIPPENBACHII* Maxim. Royal azalea.  
 266362. *RHODODENDRON SEMIBARBATUM* Maxim.  
 266363. *SKIMMIA JAPONICA* var. *REPENS* (Nakai) Thunb. Rutaceae.  
 266364. *SORBUS ALNIFOLIA* (Sieb. & Zucc.) Koch Malaceae.  
 266365. *SORBUS COMMIXTA* Hedl. Japanese mountain-ash.  
 266366. *SORBUS GRACILIS* (Sieb. & Zucc.) Koch  
 266367. *VACCINIUM HIRTUM* var. *SMALLII* (Gray) Maxim. Vacciniaceae.  
 266368. *VACCINIUM OLDHAMII* Miquel  
 266369. *VIBURNUM JAPONICUM* (Shank.) Spreng. Caprifoliaceae.  
 266370. *VIBURNUM PHLEBOTRICHUM* Sieb. & Zucc.  
 266371. *VIBURNUM URCEOLATUM* Sieb. & Zucc.  
 266372. *VIBURNUM WRIGHTII* Miquel Wright viburnum.  
 266373. *VITIS COIGNETIAE* Pulliat ex Planch. Vitaceae. Gloryvine.  
 266374. *VITIS FLEXUOSA* Thunb. Grape.

## 266375 to 266388.

From Peru. Seeds collected by Donovan S. Correll, Texas Research Foundation, Renner, Texas; collaborator, Crops Research Division, Beltsville, Md. Received June 14, 1960.

- 266375 and 266376. *LYCOPERSICON CHEESEMANII* Riley Solanaceae.  
 266375. Col. No. P789. Km. 94, in desert between Chancay and Huacho, Lima Department.  
 266376. Col. No. P834. Near Magdalena, between Chilite and pass, road to Cajamarca, Cajamarca Department. Elevation 4,600 feet.  
 266377. *LYCOPERSICON* sp.  
 Col. No. P943. Above Pariacoto, Ancash Department. Elevation 4,600 feet.



**266375 to 266388—Continued**

**266378.** *NICOTIANA GLUTINOSA* L. Solanaceae.

Col. No. P835. Between Chilete and pass, road to Cajamarca, near Magdalena, Cajamarca Department. Elevation 4,600 feet.

**266379.** *NICOTIANA THYRSIFLORA* Goodspeed

Col. No. P865A. In mountains near entrance to Hacienda Porcon, Cajamarca Department. Elevation 11,600 feet.

**266380.** *NICOTIANA PANICULATA* L.

Col. No. P979. Cerro Blanco, Paramonga Sugar Central, Lima Department.

**266381.** *SOLANUM ACAULE* Biter Solanaceae.

Col. No. P863. Three and one-half miles from entrance to Hacienda Porcon, Cajamarca Department. Elevation 10,800 feet.

**266382.** *SOLANUM* sp.

Col. No. P722. Km. 110, above Rio Blanca, Lima Department. Elevation 11,600 feet.

**266383.** *SOLANUM* sp.

Col. No. P731. Near Huancayo, Junin Department. Elevation 11,600 feet.

**266384.** *SOLANUM* sp.

Col. No. P749. Roadside Km. 18, between Jauja and Tarma, Junin Department. Elevation 11,600 feet.

**266385.** *SOLANUM* sp.

Col. No. P750. Roadside Km. 25, between Jauja and Tarma, Junin Department. Elevation 12,600 feet.

**266386.** *SOLANUM* sp.

Col. No. P751. Roadside Km. 34, between Jauja and Tarma, Junin Department. Elevation 13,450 feet.

**266387.** *SOLANUM* sp.

Col. No. P862. Near entrance to Hacienda Porcon, Cajamarca Department. Elevation 11,600 feet.

**266388.** *TECOMA* sp. Bignoniaceae.

Col. No. P757. Above Tarma, Junin Department. Elevation 10,800 feet. Plant small; flowers yellow. Ornamental possibility for the southern United States.

**266389 to 266459.**

From the Netherlands. Plants purchased from the Old Farm Nurseries, Boskoop. Numbered June 14, 1960.

**266389.** *ABIES ALBA* Mill. Pinaceae.

'Pyramidalis'.

**266390 to 266392.** *ACER PALMATUM* (Thunb.) Aceraceae.

Japanese maple.

**266390.** 'Rubrifolium'.

**266391.** 'Dissectum Rubrum'.

**266392.** 'Dissectum Viridis'.

**266393.** *ALNUS INCANA* (L.) Moench Betulaceae.

Speckled alder.

'Pinnata'.

**266394 and 266395.** *ARALIA ELATA* (Miquel) Seem. Araliaceae.

**266394.** 'Aureo-variegata'.

**266395.** 'Silver'.

## 266389 to 266459—Continued

- 266396 and 266397. *BERBERIS* × *RUBROSTILLA* Chitenden Berberidaceae.  
 266396. 'Barbarossa'.  
 266397. 'Buccaneer'.  
 266398. *BERBERIS PRATTII* Schneid.  
 266399. *BETULA MEDWEDIEWII* Regel Betulaceae.  
 266400. *BETULA PENDULA* Roth.  
 'Dalecarlica'.  
 266401. *CELTIS AUSTRALIS* L. Ulmaceae. European hackberry.  
 266402 to 266412. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Pinaceae. Lawson falsecypress.  
 266402. 'Depkenii'. 266408. 'Youngii'.  
 266403. 'Gimbornii'. 266409. 'Erecta Blom'.  
 266404. 'Lycopodioides'. 266410. 'Lutea'.  
 266405. 'Patula'. 266411. 'Luteocompacta'.  
 266406. 'Vietchii'. 266412. 'Nana Rogersii'.  
 266407. 'Wisselii'.  
 266413 to 266415. *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endlicher  
 266413. 'Contorta'.  
 266414. 'Coralliformis'.  
 266415. 'Nana Pyramidalis'.  
 266416. *CHAMAECYPARIS OBTUSA* f. *NANA* (Carr.) Beissner  
 'Smith'.  
 266417. *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl.  
 'Nana'.  
 266418. *CHAMAECYPARIS OBTUSA* f. *PYGMAEA* (Gord.) Beissner  
 266419. *CHAMAECYPARIS PISIFERA* (Sieb. & Zucc.) Endlicher  
 'Nana Aureo Variegata'.  
 266420. *CORNUS ALTERNIFOLIA* f. *ARGENTEA* (L.) Rehd. Cornaceae.  
 266421. *CORNUS KOUSA* Hance. Kousa dogwood.  
 'Xanthocarpa'.  
 266422. *CRATAEGUS* × *GRIGNONENSIS* Mouillefert Malaceae.  
 266423. *CRYTOMERIA JAPONICA* (L.f.) D. Don Pinaceae. Common cryptomeria.  
 'Cristata'.  
 266424 and 266425. *FAGUS SYLVATICA* L. Fagaceae. European beech.  
 266424. 'Cristata'.  
 266425. 'Zlattia'.  
 266426. *JUNIPERUS CHINENSIS* L. Pinaceae. Chinese juniper.  
 'Blaauw's Variegata'.  
 266427. *JUNIPERUS DAVURICA* Pall.  
 'Parsonii'.  
 266428. *JUNIPERUS CHINENSIS* L.  
 'Sylvestris Expansa'.

## 266389 to 266459—Continued

266429. JUNIPERUS  $\times$  MEDIA van Mello  
'Globosa'.  
266430. JUNIPERUS SABINA L. Savin juniper.  
'Hicksii'.  
266431. JUNIPERUS COMMUNIS L. Common juniper.  
'Repandens'.  
266432 and 266433. PICEA ABIES (L.) Karst Pinaceae. Norway spruce.  
266432. 'Highlandia'.  
266433. 'Hornibrooki'.  
266434. PINUS HELDREICHII var. LEUCODERMIS (Ant.) Markgrof ex Fitch Pinaceae.  
266435. PINUS MUGO var. MUGHUS (Scop.) Zenari  
'Gnom'.  
266436. PINUS PUMILA (Pallas) Regal  
'Dwarf Blue'.  
266437. PINUS NIGRA Arnold  
266438. PODOCARPUS NIVALIS Hook. Taxaceae.  
266439 to 266443. POPULUS  $\times$  CANADENSIS Moench Salicaceae.  
266439. 'Gelrico'. 266442. 'Marilandica'.  
266440. 'Robusta'. 266443. 'Serotina Erecta'.  
266441. 'Aurea'.  
266444. POPULUS LASIOCARPA Oliver  
266445. POPULUS WILSONII Schneider  
266446. POTENTILLA FRUTICOSA var. PYRENAICA Wildenow ex Schlecht. Rosaceae.  
266447. PYRUS SALICIFOLIA Pall. Malaceae. Willowleaf pear.  
'Pendula'.  
266448 to 266452. RHODODENDRON (hybrids). Ericaceae.  
Exbury hybrids.  
266448. 'Berry Rose'. 266451. 'White Swan'.  
266449. 'Hotspur'. 266452. 'NR 15b'.  
266450. 'J. Jennings'.  
266453. SALIX ALBA L. Salicaceae. White willow.  
'Liempde'.  
266454. STEPHANANDRA TANAKAE Franchet & Savatier Salicaceae.  
266455 and 266456. TAXUS BACCATA L. Taxaceae.  
266455. 'Nutans'.  
266456. 'Semper Aurea'.  
266457. TILIA  $\times$  EUROPAEA L. Tiliaceae.  
'Konigslinde'.  
266458. TILIA PLATYPHYLLOS Scop. Bigleaf European linden.  
'Rubra'.  
266459. ULMUS GLABRA Mill Ulmaceae. Scotch elm.  
'Exoniensis'.



**266460 to 266469.**

From the Netherlands. Plants purchased from G. Bootsman, Pinetum Blijdenstein, Hilversum. Numbered June 16, 1960.

266460. *ABIES FAXONIANA* Rehder & Wilson Pinaceae.

266461. *ABIES MAROCANA* Trabout.

266462. *ABIES NEBRODENSIS* (Lojac.) Mattei

266463. *ABIES* × *INSIGNIS* Carr. ex Bailly

'Pardei'.

266464. *ABIES SACHALINENSIS* (Schmidt) Masters

Sakhalin fir.

266465. *EPHEDRA EQUISETINA* Bunge Gnetaceae.

Jointfir.

266466. *EPHEDRA GERARDIANA* var. *SIKKIMENSIS* Stapf

266467. *PICEA SPINULOSA* Beissn. Pinaceae.

266468. *PINUS YUNNANENSIS* Franchot Pinaceae.

Yunnan pine.

266469. *THUJA OCCIDENTALIS* L. Pinaceae.

**266470. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From the Netherlands. Plants presented by the Laboratory voor Plantensystematiek, Wageningen. Received June 15, 1960.

**266471 to 266477.**

From the Netherlands. Plants purchased from J. G. van Bijk & Sons, Kwekery, Eemnes. Numbered June 15, 1960.

266471. *ACER LOBELII* Tenore Aceraceae.

266472. *ALNUS* × *SPAETHII* Callier Betulaceae.

266473. *BERBERIS THUNBERGII* DC. Berberidaceae.

Japanese barberry.

'Special'.

266474. *BETULA DAVURICA* Pallas Betulaceae.

266475. *BETULA PLATYPHYLLA* var. *SZCHUANICA* (Schneid.) Rehder

266476. *GLEDITSIA TRIACANTHOS* L. Caesalpiniaceae.

'Pendula'.

266477. *SALIX PURPUREA* var. *AMPLEXICAULIS* (Borg. & Chaub.) Boissier Salicaceae.

**266478 to 266482.**

From the Netherlands. Plants purchased from W. Haalboom and Sons, Driebergen. Numbered June 15, 1960.

266478 and 266479. *BERBERIS CANDIDULA* (Schneid.) Schneider Berberidaceae.

266478. 'Gracilis'.

266479. 'Haalboom'.

266480. *BERBERIS* × *HYBRIDO-GAGNEPAINII* Sur.

'Chenault Select'.

266481. *BERBERIS MORRISONENSIS* Hayata

266482. *POTENTILLA FRUTICOSA* L.

'Farreri Select'.

**266483 to 266515.**

From the Netherlands. Plants purchased from W. Hoogendoorn and Sons, Boskoop. Numbered June 15, 1960.

266483. *ACER JAPONICUM* Thunb. Aceraceae.

Fullmoon maple.

'Anerum'.

## 266483 to 266515—Continued

266484. ACER NEGUNDO L. Boxelder.  
'Auratum'.
266485. ACER × ZOESCHENSE Pax  
'Annae'.
266486. × AMELASORBUS JACKII Rehder Malaceae.
266487. BERBERIS × HYBRIDO-GAGNEPAINII Sur. Black barberry.  
'Terra Nova'.
266488. BERBERIS HOOKERI Lemaire
266489. BERBERIS × MEDIA Grootend.  
'Parkjuweel'.
266490. BETULA ALBOSINENSIS Burkill Betulaceae. Birch.
266491. BETULA COSTATA Trautv. ex Maxim. Birch.
- 266492 to 266494. CASTANEA SATIVA Miller Fagaceae. European chestnut.
266492. 'Argenteo-variegata'.
266493. 'Argento-Marginata'.
266494. 'Heterophylla'.
266495. CELTIS AUSTRALIS L. Ulmaceae. European hackberry.
266496. COTONEASTER SALICIFOLIA Franchot Rosaceae.
266497. CRATAEGUS OXYACANTHA L. Malaceae. English hawthorn.  
'Gireoudii'.
266498. CYTISUS SESSILIFOLIUS L. Fabaceae. Sessile broom.
266499. FAGUS SYLVATICA L. Fagaceae. European beech.
266500. HALIMODENDRON HALODENDRON (Pall.) Schneider Fabaceae.  
'Rotundifolia'.
- 266501 and 266502. HIBISCUS SYRIACUS L. Malvaceae. Shrub-althea.
266501. 'Boule De Feu'.
266502. 'Leopoldii'.
266503. LIGUSTRUM (hybrid.) Oleaceae.  
'Mme. H. Lemoinei'.
- 266504 and 266505. LONICERA PILEATA Oliver Caprifoliaceae. Privet honeysuckle.
266504. 'Graciosa'.
266505. 'Hohenheimer Findling'.
266506. PINUS CEMBRA L. Pinaceae. Swiss stone pine.
266507. ROSA MOYESII Hemsley & Wilson Rosaceae. Moyes rose.  
'Geranium'.
266508. SALIX × TSUGALUENSIS Koidz. Salicaceae.  
'Ginme'.
266509. SALIX MELANOSTACHYS (Makino) C. K. Schn.
266510. SALIX SACHALINENSIS Schmidt  
'Sekka'.
266511. SALIX × WIMMERIANA Grenier & Godron Salicaceae.
266512. SOPHORA JAPONICA L. Fabaceae.  
'Pendula'.

## 266483 to 266515—Continued

266513. *SORBUS AUCUPARIA* L. Malaceae.

'Fastigiata'.

266514. *SPIRAEA ARCUATA* Hooker f. Rosaceae.266515. *SPIRAEA* × *CINEREA* Zabel Rosaceae.

'Nana'.

## 266516 to 266557.

From the Netherlands. Plants purchased from Le Feber and Company,  
Boskoop. Numbered June 15, 1960.

266516. *ACER NEGUNDO* L. Aceraceae.

'Aureovariegatum'.

266517. *ALNUS TENUIFOLIA* Nuttall Betulaceae.

'Aurea'.

266518. *BERBERIS* × *RUBROSTILLA* Chittenden Berberidaceae.

'Pirate King'.

266519. *BERBERIS CANDIDULA* (Schneid.) Schneider

'Haalboom'.

266520. *BERBERIS* × *MEDIA* Grootend.

'Parkjuweel'.

266521. *BERBERIS THUNBERGII* DC.

Japanese barberry.

'Rosy-Glow'.

266522. *BETULA PENDULA* Roth. Betulaceae.

'Purpurea'.

266523. *CAMPSIS RADICANS* (L.) Seem. Bignoniaceae.

'Yellow Trumpet'.

266524. *CEDRUS DEODARA* (Lamb.) Loud. Pinaceae.

Deodar cedar.

'Albo Spicata'.

266525. *CHAENOMELES* × *SUPERBA* (Frahm) Rehder Malaceae.

'Hollandia'.

266526 and 266527. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Pina-  
ceae. Lawson falsecypress.

266526. 'Bruinii'.

266527. 'Drummondii'.

266528. *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl.

'Nana Kosteri'.

266529. *CRYPTOMERIA JAPONICA* (L.f.) D. Don Pinaceae.

Common cryptomeria.

'Compressa'.

266530. *EUONYMUS PHELLOMANUS* Loes. Celastraceae.266531. *FAGUS JAPONICA* Maxim. Fagaceae.266532. *FAGUS LUCIDA* Rehd. & Wils.266533 to 266535. *FAGUS SYLVATICA* L.

European Beech.

266533. 'Swat Magret'.

266534. 'Rohanii'.

266535. 'Zlatia'.



## 266516 to 266557—Continued

- 266536 and 266537. *HEDERA COLCHICA* K. Koch Araliaceae.  
 266536. 'Arborescens'.  
 266537. 'Amurensis'.
266538. *JUNIPERUS COMMUNIS* L. Pinaceae. Common juniper.  
 'Hornibrookii'.
266539. *JUNIPERUS SABINA* L. Savin juniper.  
 'Blue Danube'.
266540. *LIRIODENDRON TULIPIFERA* L. Magnoliaceae.  
 'Aureomarginatum'.
266541. *PARTHENOCISSUS TRICUSPIDATA* (Sieb. & Zucc.) Planch Vitaceae.  
 'Beverley Park'.
266542. *PHOTINIA VILLOSA* f. *MAXIMOWICZIANA* (Levl.) Rehder Malaceae.
- 266543 to 266546. *PICEA ABIES* (L.) Karst Pinaceae. Norway spruce.  
 266543. No data. 266545. 'Pygmaea'.  
 266544. 'Pumila Glauca'. 266546. 'Virgata'.
266547. *PICEA ORIENTALIS* (L.) Link Oriental spruce.  
 'Atrovirens'.
266548. *PICEA ORIENTALIS* (L.) Link  
 'Aureospicata'.
- 266549 and 266550. *PICEA PUNGENS* Englem.  
 266549. 'Globosa'.  
 266550. 'Endtz'.
- 266551 to 266553. *PRUNUS LAUROCERASUS* L. Amygdalaceae. Cherry-laurel.  
 266551. 'Herbergii'.  
 266552. 'Mischeana'.  
 266553. 'Otto Luyken'.
266554. *ROBINIA PSEUDO-ACACIA* L. Fabaceae. Common locust.  
 'Frisia'.
- 266555 to 266557. *TAXUS BACCATA* L. Taxaceae.  
 266555. 'Cavendishii'.  
 266556. 'Fastigiata Robusta'.  
 266557. 'Hessii'.
- 266558 to 266589.
- From France. Seeds presented by the Ecole Nationale des Eau xet Forests  
 Arboretum des Barres, Nogent-sur-Vernisson, Loiret. Received June  
 16, 1960.
266558. *ACER CAPPADOCICUM* Gleditsch Aceraceae. Coliseum maple.  
 266559. *ACER CIRCINNATUM* Pursh Vine maple.  
 266560. *ACER* × *CORIACEUM* Tausch.  
 266561. *ACER GROSSERI* Pax  
 266562. *ACER HENRYII* Pax  
 266563. *ACER HERSII* Rehder  
 266564. *BERBERIS DIELSIANA* Fedde Berberidaceae.

## 266558 to 266589—Continued

266565. *BETULA ERMANI* Champ. Betulaceae.  
 266566. *BETULA HUMILIS* Schrank.  
 266567. *BETULA JAPONICA* Siebold ex Winkler Birch.  
 266568. *BETULA MEDWEDIEWII* Regel  
 266569. *BETULA MIDDENDORFFII* Trautv. & Mey.  
 266570. *BETULA PAPYRIFERA* var. *COMMUTATA* (Regel) Fern.  
 266571. *CLEMATIS HEXAPETALA* Pallas Ranunculaceae.  
 266572. *CLEMATIS* × *ERIOSTEMON* Dcne.  
 266573. *CLEMATIS SIMSII* Sweet  
 266574. *CLEMATIS SONGARICA* Bunge  
 266575. *CLEMATIS* × *VERNALIS* Lemoine  
 266576. *CRATAEGOMESPIBUS* × *DARDARI* Simon-Louis Malaceae.  
 266577. *DAVIDIA INVOLUCRATA* Baill. Cornaceae. Dovetree.  
 266578. *ILEX* × *BEANII* Rehder Aquifoliaceae.  
 266579. *KALMIA INTERMEDIA* Lange. Ericaceae.  
 266580. *LYONIA LUCIDA* (Lam.) K. Koch Ericaceae.  
 266581. *PYRACANTHA COCCINEA* Roemer Malaceae. Scarlet firethorn.  
 266582. *PYRACANTHA COCCINEA* var. *LALANDEI* Dipp. Laland firethorn.  
 266583. *PYRACANTHA CRENULATA* (D. Don) Roem. Nepal firethorn.  
 266584. *PYRACANTHA CRENATO-SERRATA* (Hance) Rehder Firethorn.  
 266585. *PYRACANTHA* (hybrid).  
 266586. *SKIMMIA FOREMANII* Knight Rutaceae.  
 266587. *SKIMMIA JAPONICA* Thunb. Japanese skimmia.  
 266588. *VIBURNUM* (hybrid.) Caprifoliaceae.  
 266589. *VIBURNUM UTILE* Hemsl. Service viburnum.

## 266590 to 266635.

From the Netherlands. Plants purchased from F. J. Grootendorst & Sons, Boskoop. Numbered June 16, 1960.

266590. *ABIES BALSAMEA* (L.) Miller Pinaceae. Balsam fir.  
 'Nana'.  
 266591. *ACER CAPPADOCICUM* Gledit. Aceraceae. Coliseum maple.  
 'Aureum'.  
 266592. *ACER PLATANOIDES* L. Norway maple.  
 'Reitenbachii'.  
 266593. *ACER PSEUDOPLATANUS* L. Sycamore maple.  
 'Spaethii'.  
 266594. *ALNUS INCANA* (L.) Moench Betulaceae. Speckled alder.  
 'Aurea'.  
 266595. *CARAGANA ARBORESCENS* Lam. Fabaceae.  
 'Lorbergii'.  
 266596. *CATALPA BIGNONIOIDES* Walt. Bignoniaceae.  
 'Aurea'.

## 266590 to 26635—Continued

- 266597 to 266000. CHAMAECYPARIS LAWSONIANA (Murray) Parl. Pinaceae. Lawson falsecypress.
266597. 'Globosa'. 266599. 'Filiformis Compacta'.
266598. 'Pygmaea Argentea'. 266600. 'Glaucia Spek'.
266601. CHAMAECYPARIS OBTUSA (Sieb. & Zucc.) Endlicher 'Mariesii'.
266602. FAGUS SYLVATICA L. Fagaceae. European beech. 'Rohanii'.
266603. HAMAMELIS × INTERMEDIA Rehder Hamamelidaceae. 'Ruby Glow'.
266604. HAMAMELIS MOLLIS Oliver Chinese witch-hazel. 'Fevéala'.
- 266605 and 266606. HIBISCUS SYRIACUS L. Malvaceae. Shrub-althea.
266605. 'Admiral Dewey'.
266606. 'Monstrosus'.
266607. JUNIPERUS × MEDIA vanMelle Pinaceae. 'Blue Cloud'.
266608. JUNIPERUS CHINENSIS L. Chinese juniper. 'Olympia'.
- 266609 to 266611. JUNIPERUS × MEDIA vanMelle
266609. 'Globosa Cinerea'.
266610. 'Old Gold'.
266611. 'Fairview'.
266612. JUNIPERUS COMMUNIS f. SUECICA (Mill.) Beissner 'Mayer'.
266613. JUNIPERUS SQUAMATA Buch.-Ham. 'Loderi'.
266614. JUNIPERUS (hybrid) 'Grey Owl'.
266615. PHILADELPHUS (hybrid). Hydrangaceae. 'Silver Rain'.
266616. PICEA GLAUCA (Moench) Voss Pinaceae. White spruce. 'Echiniformis'.
266617. PICEA OMORIKA (Panic) Masters Pinaceae. Serbian spruce. 'Nana'.
266618. POTENTILLA FRUTICOSA var. RIGIDA (Wall. ex Lehm.) Wolf Rosaceae. 'Arbuscula'.
- 266619 to 266623. POTENTILLA FRUTICOSA L.
266619. 'Jackman's Variety'. 266622. 'Mount Everest'.
266620. 'Klondyke'. 266623. 'Primrose Beauty'.
266621. 'Maanelys'.
266624. POTENTILLA FRUTICOSA var. PYRENAICA Willd. ex Schlecht.



## 266590 to 266635—Continued

266625. *POTENTILLA FRUTICOSA* L. Shrubby cinquefoil.  
'Snowflake'.
266626. *POTENTILLA FRUTICOSA* var. *VILMORINIANA* Komarov
266627. *QUERCUS* × *TURNERI* Willd. Fagaceae.  
'Pseudoturneri'.
266628. *QUERCUS PETRAEA* (Mattus.) Linn.  
'Columna'.
266629. *SPIRAEA THUNBERGII* Siebold Rosaceae.  
'Compacta'.
266630. *SPIRAEA TRICHOCARPA* Nakai
266631. *TAXUS CUSPIDATA* Sieb. & Zucc. Taxaceae. Japanese yew.  
'Nidiformis'.
266632. *THUJA OCCIDENTALIS* L.  
'Woodwardii'.
266633. *THUJA PLICATA* D. Don  
'Cuprea'.
266634. *TILIA PLATYPHYLLOS* Scop. Tiliaceae. Bigleaf European linden.
266635. *WEIGELA* (hybrid). Caprifoliaceae.  
'Boskoop Glory'.
266636. *CYBISTETES LONGIFOLIA* (L.) Milne-Redhead & Schweick.  
Amaryllidaceae.

From the Union of South Africa. Bulbs presented by the University of Stellenbosch, Stellenbosch. Received June 16, 1960.

## 266637 to 266644.

From the Netherlands. Plants purchased from Hugo T. Hooftman, Limited, Boskoop. Numbered June 16, 1960.

- 266637 and 266638. *CLEMATIS MONTANA* F. Rubens (Ktze.) Rehd. Ranunculaceae.
266637. 'Odorata'.
266638. 'Pink Perfection'.
266639. *CLEMATIS* × *VEDRARIENSIS* Vilmorin  
'Rosea'.
266640. *HAMAMELIS MOLLIS* Oliver Hamamelidaceae. Chinese witch-hazel.  
'Donkei'.
266641. *PICEA OMORIKA* (Panic) Masters Pinaceae. Serbian spruce.
266642. *PICEA ORIENTALIS* (L.) Link Oriental spruce.  
'Atrovirens'.
- 266643 and 266644. *PINUS MUGO* var. *MUGHUS* (Scop.) Zenari Pinaceae.
266643. 'Kobalt'.
266644. 'Mops'.

## 266645 to 266649.

From the Netherlands. Plants purchased from William J. Hooftman, Boskoop. Numbered June 17, 1960.

266645. *ABIES LASIOCARPA* var. *ARIZONICA* (Merriam) Lemon Pinaceae.  
'Compacta'.

## 266645 to 266649—Continued

266646. *BERBERIS HOOKERI* Lem. Berberidaceae.266647 and 266648. *COTONEASTER* × *WATERERI* Exell Malaceae.

266647. 'Exburiensis'.

266648. 'Herbstfeuer'.

266649. *PICEA GLAUCA* (Moench) Voss Pinaceae.

White spruce.

'Echiniformis'.

## 266650 to 266695.

From the Netherlands. Plants purchased from Pierre Lombarts, Zundert.  
Numbered June 17, 1960.266650. *ACER NEGUNDO* L. Aceraceae.

Boxelder.

'Lombarts'.

266651. *ACER PALMATUM* Thunb.

Japanese maple.

'Atropurpureum Novum'.

266652. *ACER PLATANOIDES* L.

Norway maple.

'Drummondii'.

266653 and 266654. *ACER SACCHARINUM* L.

Silver maple.

266653. 'Asplenifolium'.

266654. 'Monstrosum'.

266655. *ACER* × *ZOESCHENSE* Pax

'Annae'.

266656. *BERBERIS JULIANAE* Schneider Berberidaceae.

Wintergreen barberry.

'Lombarts Red'.

266657 and 266658. *BERBERIS* × *OTTAWENSIS* Schneider

266657. 'Golden Ring'.

266658. 'Lombarts Purple'.

266659. *BETULA* × *PURPUSII* Schneid. Betulaceae.266660. *CARAGANA FRANCHETIANA* Komarov Fabaceae.266661 and 266662. *CARAGANA FRUTEX* (L.) Koch Fabaceae.

Russian peashrub.

266661. 'Angustifolia'.

266662. 'Silvatica'.

266663 and 266664. *CARPINUS BETULUS* L. Betulaceae.

European hornbeam.

266663. 'Cordata'.

266664. 'Purpurea'.

266665. *CRATAEGUS* × *MORDENENSIS* Boom Malaceae.

'Toba'.

266666. *CRATAEGUS OXYACANTHA* L.

English hawthorn.

'Gireoudii'.

266667. *FAGUS LUCIDA* Rehder & Wilson Fagaceae.266668 to 266672. *FAGUS SYLVATICA* L.

European beech.

266668. 'Aureo Pendula'.

266671. 'Castanifolia'.

266669. 'Atropurpurea Macrophylla'.

266672. 'Cristata'.

266670. 'Cochleata'.

## 266650 to 266695—Continued

266673. *FAGUS SYLVATICA* L. Fagaceae. European beech.  
'Albovariegata'.
266674. *HAMAMELIS VERNALIS* Sargent Hamamelidaceae. Vernal witch-hazel.  
'Lombarts Weeping'.
266675. *LEUCOTHOE FONTANESIANA* (Steud.) Sleumer Ericaceae.  
'Rollisonii'.
266676. *LIGUSTRUM SINENSE* Loureiro Oleaceae.  
'Pendula'.
266677. *PHILADELPHUS LEWISII* Pursh Hydrangaceae. Lewis mockorange.  
'Waterton'.
266678. *POPULUS TREMULA* L. Salicaceae. European aspen.  
'Erecta'.
266679. *PYRUS NIVALIS* Jacq. Malaceae.
266680. *QUERCUS* × *LIBANERRIS* Boom Fagaceae.  
'Trompenburg'.
266681. *QUERCUS PALUSTRIS* Munch. Fagaceae.  
'Lombarts'.
- 266682 to 266685 *RIBES SANGUINEUM* Pursh Grossulariaceae. Winter currant.  
266682. 'Grandiflorum'. 266684. 'Lombarts'.  
266683. 'King Edward VII'. 266685. 'Carneum'.
266686. *ROBINIA PSEUDO-ACACIA* L. Fabaceae. Common locust.  
'Sandraudiga'.
266687. *ROBINIA PSEUDO-ACACIA* L.  
'Unifoliola'.
266688. *SANTOLINA CHAMAECYPARISSUS* L. Asteraceae.  
'Ericoides'.
266689. × *SORBARONIA SORBIFOLIA* (Poir.) Schneid. Malaceae.
- 266690 to 266693. *SORBUS* (hybrid). Malaceae.  
266690. 'Apricot Queen'. 266692. 'Red Copper Glow'.  
266691. 'Coral Beauty'. 266693. 'Vermiljon'.
266694. *STEPHANANDRA INCISA* (Thunb.) Zabel Rosaceae.  
'Crispa'.
266695. *TEUCRIUM* × *LUCIDRYS* Boom Menthaceae.
266696. *ENTADA GIGAS* (L.) Fawcett & Rendle Mimosaceae.  
From Burma. Seed presented by the United States Embassy, Rangoon.  
Received June 20, 1960.
- Seed edible when cooked, but not tasty. The split seed hulls are rubbed on the scalp to treat dandruff and other scalp ailments.
266697. *CYNODON DACTYLON* (L.) Pers. Poaceae. Bermudagrass.  
From Iran. Rhizomes collected by J. R. Harlan, University of Oklahoma, Stillwater, Oklahoma. Received June 20, 1960.



## 266697—Continued

No. 73. Forty-four km. north of Kermanshah, road to Savandaj. Soil black, wet in spring and very dry in summer and fall.

## 266698 to 266765.

From the Netherlands. Plants purchased from L. Konijn & Co., Reeuwijk. Numbered June 20, 1960.

266698. *ABIES ALBA* Mill. Pinaceae.

'Pyramidalis'.

266699. *ABIES AMABILIS* (Loud.) Forbes

'Compacta'.

266700. *ABIES CONCOLOR* (Gord.) Hoopes

White fir.

'Compacta'.

266701. *ABIES CONCOLOR* (Gord.) Hoopes

White fir.

'Violacea'.

266702. *ABIES KOREANA* Wilson

Korean fir.

'Nana'.

266703. *ABIES NORDMANNIANA* (Stev.) Spach

Nordman fir.

'Aureospicata'.

266704. *ABIES PROCERA* Rehd.

Noble fir.

'Prostrata'.

266705. *ABIES RECURVATA* Masters

266706 to 266712. *ACER PALMATUM* Thunb. Aceraceae. Japanese maple.

266706. 'Decompositum'.

266707. 'Nicholsonii' ('Atro-Dissectum').

266708. 'Ribessifolium'.

266709. 'Rufescens'.

266710. 'Elegans Purpureum'.

266711. 'Dissectum Paucum'.

266712. 'Dissectum Variegatum'.

266713. *ARUNDINARIA* sp. Poaceae.

266714 to 266723. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Pinaceae. Lawson falsecypress.

266714. 'Darleyensis'.

266719. 'Rosenthalii'.

266715. 'Fraseri'.

266720. 'Filiformis Glauca'.

266716. 'Krameri'.

266721. 'Robusta Glauca'.

266717. 'Minima'.

266722. 'Hogger'.

266718. 'Moerheimii'.

266723. 'Nana Rogersii'.

266724 to 266728. *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endlicher

266724. 'Nana Templehof'.

266727. 'Nana Hage'.

266725. 'Albo-Spicata'.

266728. 'Nana Tonia'.

266726. 'Spicata'.

266729 and 266730. *CHAMAECYPARIS THYOIDES* (L.) B.S.P.

266729. 'Aurea'.

266730. 'Variegata'.

## 266698 to 266765—Continued

266731. *CRATAEGUS MONOGYNA* Jacquin Malaceae.  
'Compacta'.
266732. *EUONYMUS HAMILTONIANUS* Wallich Celastraceae.
266733. *EUONYMUS SANGUINEUS* Loesener
266734. *EUONYMUS VERRUCOSUS* Scopoli
266735. *HEDYSARUM MULTIJUGUM* Maxim. Fabaceae.
- 266736 to 266738. *JUNIPERUS COMMUNIS* L. Pinaceae. Common juniper.
266736. 'Caracovia'.
266737. 'Candelabrifformis'.
266738. 'Prostrata'.
266739. *JUNIPERUS SCOPULORUM* Sargent  
'Repens'.
266740. *JUNIPERUS SQUAMATA* Buch.-Ham.
266741. *JUNIPERUS VIRGINIANA* L.  
'Kosteriaa'.
266742. *CALOCEDRUS DECURRENS* (Torr.) Florin Pinaceae.  
'Aureovariegata'.
- 266743 to 266747. *PICEA ABIES* (L.) Karst. Pinaceae. Norway spruce.
266743. 'Aureaspicata'. 266746. 'Finedonensis'.
266744. 'Cranstonii'. 266747. 'Viminalis'.
266745. 'Glauca Fastigiata'.
266748. *PICEA LIKIANGENSIS* var. *BALFOURIANA* (Rehd. & Wils.) Cheng
266749. *PICEA MARIANA* (Mill.) B.S.P.  
'Nana'.
- 266750 to 266752. *PICEA ORIENTALIS* (L.) Link Oriental spruce.
266750. 'Atrovirens'.
266751. 'Aureospicata'.
266752. 'Nana'.
266753. *PINUS PARVIFLORA* Sieb. & Zucc. Japanese white pine.  
'Brevifolia'.
266754. *PSEUDOTSUGA MENZIESHII* (Mirb.) Franco Pinaceae. Douglas-fir.  
'Caesia'.
266755. *ROBINIA PSEUDOACACIA* L. Fabaceae. Common locust.  
'Tortuosa'.
- 266756 to 266757. *TAXUS BACCATA* L. Taxaceae.
266756. 'Elvastonensis'.
266757. 'Horsholmii-757'.
- 266758 to 266760. *THUJA OCCIDENTALIS* L. Pinaceae.
266758. 'Beaufort'.
266759. 'Holmstrupi'.
266760. 'Recurva Nana'.
266761. *THUJA PLICATA* D. Don  
'Rogersii'.

**266698 to 266765—Continued****266762.** *THUJA OCCIDENTALIS* L.

'Wareana Lutescens'.

**266763.** *THUJA PLICATA* D. Don

'Variegata'.

**266764 and 266765.** *THUJA OCCIDENTALIS* L.

266764. 'Aureospicata'.

266765. 'Cristata Aurea'.

**266766.** *ALOPECURUS PRATENSIS* L. Poaceae. **Meadow foxtail.**

From the Netherlands. Plant presented by the Landbouwhogeschool, Laboratorium voor Plantensystematiek en Geografie, Wageningen. Received June 21, 1960.

Collected in a Meuse river meadow on humic river loam, Vierlingsbee, Limburg Province.

**266767.** *THEOBROMA CACAO* L. Sterculiaceae.**Cacao.**

From Ghana. Seeds presented by the West African Cocoa Research Institute, Tafo. Received June 21, 1960.

'Amelonado'.

**266768 to 266773.**

From the Netherlands. Plants purchased from Schiphorst Nurseries, Wageningen. Numbered June 21, 1960.

**266768 to 266770.** *PYRACANTHA COCCINEA* Roemer Malaceae.**Scarlet firethorn.**

266768. 'Kasan'.

266769. 'Orange Giant'.

266770. 'Keessen'.

**266771.** *PYRACANTHA FORTUNEANA* (Max.) Li Malaceae.

'Orange Glow'.

**266772.** *SAMBUCUS NIGRA* L. Caprifoliaceae.**European elder.**

'Albopunctata'.

**266773.** *SPIRAEA JAPONICA* L. f. Rosaceae.**Japanese spirea.**

'Alpina'.

**266774 to 266782.**

From the Netherlands. Plants purchased from J. Streng, Jr., Boskoop. Numbered June 21, 1960.

**266774.** *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Pinaceae.**Lawson falsecypress.**

'Pottenii'.

**266775.** *CHAMAECYPARIS THYOIDES* (L.) B.S.P.

'Andelyensis Aurea'.

**266776.** *JUNIPERUS* × *MEDIA* van melle Pinaceae.

'Mathot'.

**266777.** *JUNIPERUS COMMUNIS* var. *SAXITILIS* Pall.**266778.** *PINUS CEMBRA* L. Pinaceae.**Swiss stone pine.**

'Pygmaea'.

**266779.** *PINUS NIGRA* Arnold

'Aureospicata'.



## 266774 to 266782—Continued

266780. *PINUS CEMBRA* L. Swiss stone pine.  
 'Fastigiata'.  
 266781 and 266782. *TAXUS BACCATA* L. Taxaceae.  
 266781. 'Amersfoort'.  
 266782. 'Pygmaea'.

## 266783 to 266785.

From the Netherlands. Plants purchased from M. Koster & Sons, Boskoop. Numbered June 21, 1960.

266783. *ABIES BALSAMEA* f. *HUDSONIA* (Bosc ex Jacques) Fern & Weath-  
 erby Pinaceae.  
 266784. *CHAMAECYPARIS LAWSONIANA* f. *GLAUCA* (Jaeg.) Beissner Pina-  
 ceae.  
 266785. *PICEA OMORIKA* (Panic) Masters Pinaceae. Serbian spruce.  
 'Expansa'.

## 266786 to 266803.

From the Netherlands. Plants purchased from Vuyk van Nes, Boskoop. Numbered June 21, 1960.

266786. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Lawson falsecypress.  
 'Erecta Blom'.  
 266787. *CHAMAECYPARIS NOOTKATENSIS* (Lambert) Spach Nootka falsecypress.  
 'Lutea'.  
 266788. *CHAMAECYPARIS THYOIDES* (L.) B.S.P.  
 'Conica'.  
 266789 and 266790. *JUNIPERUS* × *MEDIA* van Melle Pinaceae.  
 266789. 'Plumosa Albovariegata'.  
 266790. 'Plumosa Aureovariegata'.  
 266791. *JUNIPERUS SARGENTII* (Henry) Takeda ex Nakai  
 266792. *LONICERA TIBETICA* Bureau & Franchet Caprifoliaceae. Tibetan honeysuckle.  
 266793. *PICEA ABIES* (L.) Karst. Pinaceae. Norway spruce.  
 'Sargentii'.  
 266794. *PYRACANTHA COCCINEA* × *CRENULATA* var. *ROGERSIANA* A. B. Jackson Malaceae.  
 266795. *QUERCUS CANARIENSIS* Willdenow Fagaceae.  
 266796. *QUERCUS DENTATA* Thunb. Daimyo oak.  
 266797. *QUERCUS FRAINETTO* Tenore  
 266798. *QUERCUS LIBANI* Olivier  
 266799. *QUERCUS MACRATHERA* Fisher & Myer  
 266800. *QUERCUS MONGOLICA* Fischer Mongolian oak.  
 266801. *QUERCUS PETRAEA* (Mattuschka) L. ex Lieblein  
 'Mespilifolia'.  
 266802. *QUERCUS PONTICA* K. Koch  
 'Pendula'.  
 266803. *QUERCUS ROBUR* L. English oak.

**266804 and 266805. ROSA (hybrids). Rosaceae.**

From Uruguay. Rooted cuttings and scions presented by Fontana A. Menghi, Porta-Injerto, Cerrillos. Received June 21, 1960.

Plants easily propagated, thornless; disease-resistant understock, primarily for standards.

266804. No. 11. 'Porpora'.

266805. No. 710. 'Zigri'.

**266806 and 266807. GLYCINE MAX (L.) Merrill Fabaceae.**

**Soybean.**

From the Netherlands. Seeds presented by an anonymous donor, Rotterdam. Received June 22, 1960.

266806. No. 4. From Chingyuantao, China.

266807. No. 5. From Dairen, China.

**266808 to 266812. GLYCINE MAX (L.) Merrill. Fabaceae.**

**Soybean.**

From Brazil. Seeds presented by the Secretaria da Agricultura Instituto Agronomico do est. de Sao Paulo. Received June 22, 1960.

266808. 'Edna'.

266811. 'Preta'. Seeds black.

266809. 'Kedelee No. 16'.

266812. 'Preta da Estacao'.

266810. 'Kedelee No. 29'.

**266813 to 266852.**

From Great Britain. Seeds presented by the University of Reading, Reading, England. Received June 22, 1960.

266813. AEGILOPS COMOSA Sibth. & Smith Poaceae.

No. 40.

266814. AEGILOPS CYLINDRICA Host

No. 42.

266815. AEGILOPS JUVENALIS (Thell.) Eig

No. 43.

266816. AEGILOPS OVATA L.

No. 44.

266817. AEGILOPS SPELTOIDES Tausch

No. 45.

266818. AEGILOPS SQUARROSA L.

No. 46.

266819. AEGILOPS TRIARISTATA Willd.

No. 47.

266820. AEGILOPS TRIUNCIALIS L.

No. 48.

266821. AEGILOPS UNIARISTATA Visiani

No. 50.

266822. AEGILOPS VARIABILIS Eig

No. 51.

266823. AEGILOPS VENTRICOSA Tausch

No. 52.

## 266813 to 266852—Continued

266824. AEGILOPS × TRITICUM

No. 53.

266825. AEGILOPS × TRITICUM

*A. ventricosa* × *T. monococcum*.

No. 54.

266826. AVENA BREVIS Roth Poaceae.

No. 57.

266827. AVENA BYZANTINA Koch

Oats.

No. 58.

266828. AVENA FATUA L.

Wild oats.

No. 59.

266829 and 266830. AVENA SATIVA L.

Common oats.

266829. No. 61. Nude form.

266830. No. 62. Orientalis.

266831. AVENA STERILIS L.

Animated oats.

No. 63.

266832. AVENA STRIGOSA Schreb.

Oats.

No. 64.

266833. HAYNALDIA VILLOSA (L.) Schur Poaceae.

No. 67.

266834. HAYNALDIA × TRITICUM. Poaceae.

*Haynaldia villosa* × *Triticum dicoccum* var. *farrum*.

No. 68.

266835. HORDEUM DISTICHON var. PALMELLA Harlan Poaceae.

No. 69.

266836. HORDEUM HEXASTICHON L.

No. 70.

266837. HORDEUM JUBATUM L.

Foxtail barley.

No. 71.

266838. HORDEUM VULGARE L.

Barley.

No. 72.

266839. TRITICUM AEGILOPOIDES Forsk. Poaceae.

No. 81.

266840. TRITICUM COMPACTUM Host

No. 83.

266841. TRITICUM DICOCCOIDES Koern.

No. 84.

266842. TRITICUM DICOCCUM Schrank

Emmer.

No. 85.

266843. TRITICUM DURUM Desf.

Durum wheat.

No. 86.

266844. TRITICUM MONOCOCCUM L.

No. 87.



**266813 to 266852—Continued**

266845. TRITICUM ORIENTALE Percival

No. 93.

266846. TRITICUM POLONICUM L.

Polish wheat.

No. 88.

266847 and 266848. TRITICUM SPELTA L.

Spelt.

266847. No. 89. Bearded.

266848. No. 90. Beardless.

266849. TRITICUM SPHAEROCOCCUM Percival

No. 91.

266850. TRITICUM TIMOPHEEVI Zhuk.

No. 92.

266851. TRITICUM TURGIDUM L.

Poulard wheat.

No. 94.

266852. TRITICUM  $\times$  AGROPYRON. Poaceae.*T. aestivum*  $\times$  *A. glaucum*.

No. 95.

**266853 to 266856. THEOBROMA CACAO L. Sterculiaceae. Cacao.**

From Ecuador. Seeds presented by the Servicio Cooperativo Inter-Americano de Agricultura, Estacion Experimental Tropical de Pichilingue, Guayaquil. Received June 23, 1960.

266853. EET-48  $\times$  S.C.A. 12.266855. EET-238  $\times$  S.C.A. 12.266854. EET-156  $\times$  S.C.A. 6.266856. ICS-1  $\times$  S.C.A. 6.**266857 to 266882.**

From New Zealand. Seeds presented by the Department of Scientific and Industrial Research, Lincoln. Received June 23, 1960.

266857 and 266858. AVENA SATIVA L. Poaceae.

Common oats.

266857. 'Dunn's'.

266858. 'Onward'.

266859. HORDEUM VULGARE L. Poaceae.

Barley.

Research barley.

266860 to 266882. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

266860. 'Aotea'.

266872. S1806 India 164.

266861. 'Arawa'.

266873. S1819 India 184.

266862. 'Cross 7'.

266874. S1824 India 193.

266863. 'Dreadnaught'.

266875. S1829 India 196.

266864. 'Fife-Tuscan'.

266876. S1888 India 236.

266865. 'Hilgendorf'.

266877. S1908 India 254.

266866. S1543 India 9.

266878. S991 ex Iraq 40.

266867. S1574 India 50.

266879. S995 ex Iraq 44.

266868. S1575 ex India 51.

266880. S997 ex Iraq 45.

266869. S1582 India 57.

266881. 'Jumbuck'.

266870. S1793 India 145.

266882. 'Tainui'.

266871. S1805 India 163.

## 266883 to 266906.

From Portugal. Seeds presented by J. J. Paiva Caldeira, Estacao de Melhoramento de Plantas, Elvas. Received June 23, 1960.

266883 and 266884. *AVENA BYZANTINA* Koch Poaceae. Oats.

266883. 'Da Graca'.

266884. 'Sta Maria'.

266885 and 266886. *AVENA SATIVA* L. Common oats.

266885. 'S. Francisco'.

266886. 'Sta Luzia'.

266887. *AVENA* sp.

'S. Jose'.

266888. *AVENA* sp.

'S. Mamede'.

266889. *HORDEUM DISTICHON* L. Poaceae.

'Lima Monteiro'.

266890 to 266892. *HORDEUM VULGARE* L. Barley.

266890. 'Arivat'.

266891. 'Cevada de 6 Ordens'.

266892. 'Juromenha'.

266893 to 266901. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

266893. 'Da Maia'.

266898. 'Mocko de Espiga Branca'.

266894. 'Galego Barbado'.

266899. 'Pirana'.

266895. 'Galego Rapado'.

266900. 'Restauracao'.

266896. 'Lusitano'.

266901. 'Ribeiro'.

266897. 'Magueija'.

266902 to 266905. *TRITICUM DURUM* Desf.

Durum wheat.

266902. 'Amarelejo'.

266904. 'Lobeiro'.

266903. 'Candeal'.

266905. 'Preto Amarelo'.

266906. *TRITICUM TURGIDUM* L.

'Argelino'.

## 266907 to 266908.

From Japan. Seeds presented by the Experimental Forest Station, Faculty of Agriculture, Kyoto University, Kyoto. Received June 23, 1960.

266907. *PRUNUS SERRULATA* var. *SPONTANEA* (Maxim.) Wilson Amygdalaceae. Wild oriental cherry.

266908. *PRUNUS SUBHIRTILLA* Miquel Higan cherry.

266909. *LUCULIA GRANDIFOLIA* Ghose. Rubiaceae.

From Great Britain. Seeds presented by the Royal Horticultural Society Wisley, Surrey, England. Received June 23, 1960.

266910. *PHASEOLUS ABORIGINEUS* Burkart Fabaceae.

From Argentina. Seeds presented by the Instituto de Botanica Darwinion, San Isidro. Received June 23, 1960.

Wild.

# 266911 to 266915. EKBALLIUM ELATERIUM (L.) A. Rich. Cucurbitaceae. Squirting-cucumber.

From Great Britain. Seeds presented by J. L. Clucas, Limited, Ormskirk, England. Received June 23, 1960.

266911. No. 1. From Thompson & Morgan, Ipswich, England.

266912. No. 2. From Museum of Nat. History, Paris, France.

266913. No. 3. From Messrs. L. Clause, Paris, France.

266914. No. 4. From Monoique, Castelnaudary, France.

266915. No. 5. From Dioique, Tunis, North Africa.

# 266916 to 266924. SORGHUM (hybrids). Poaceae.

From India. Seeds presented by the Rockefeller Foundation, Indian Agricultural Program, New Delhi. Received June 23, 1960.

266916. I.S. 601. 'Black Amber'. 266921. I.S. 625.

266917. I.S. 602. 'Minnesota Amber'. 266922. I.S. 634.

266918. I.S. 617. 'Sumac'. 266923. I.S. 687.

266918. I.S. 623. SPI 35038. 'Sumac'. 266924. I.S. 688. S.A. 1759

266920. I.S. 624. No. 2. 'Honey'.

# 266925 and 266926.

From Germany. Seeds presented by van Waveren & de Bres Gesellschaft mit Beschränkter Haftung, Hann, Munden. Received June 23, 1960.

266925. CUCURBITA PEPO L. Cucurbitaceae. Pumpkin.

'Buscholkurbis' ('Olkurb'). Bush type; seed naked.

266926. SPINACIA OLERACEA L. Chenopodiaceae. Common spinach.

'Universal'.

# 266927. SORGHUM BICOLOR (L.) Moench. Poaceae.

From India. Seeds presented by the Sugarcane Breeding Institute, Coimbatore. Received June 23, 1960.

'Cholam'. Co. 1.

# 266928 to 266950.

From Japan. Seeds presented by the University of Osaka, Taisen-cho, Sakai, Osaka Prefecture. Received June 23, 1960.

266928 to 266938. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

266928. 'Kanro'. Grown in northeastern Japan, including Hokkaido. Plant vigorous; andromonoecious; fruit oblong, trace of a rib, not netted; skin greyish green, juicy. Selfed seed.

266929. 'Kiku'. Grown in Kansai area, western Japan. Plant andromonoecious; fruit to 500 grams, rather flat, deeply ribbed, not netted; skin white; flesh white, mealy. Selfed seed.

266930. 'Kotobuki'. Newest variety on Japanese market. Originated in Nara Prefecture. Plant andromonoecious; fruit small, rounded, not ribbed or netted, sutures absent; skin golden yellow; flesh white; sugar content high; musky odor absent. Selfed seed.

266931. 'Nara No. 1'. Old variety originated in Nara Prefecture. Plant andromonoecious, early maturing; fruit oblong; neither ribbed nor netted; skin golden yellow; flesh white, mealy. Selfed seed.



## 266928 to 266950—Continued

## 266928 to 266938—Continued

266932. 'New Melon'. Plant andromonoecious; fruit to 400 grams, rounded not ribbed; sutures absent; skin creamy white; flesh white; sugar content high. Selfed seed.
266933. 'Ogon No. 9'. Grown in Kanto (Tokyo) area. Plant andromonoecious; fruit to 300 grams, oblong; skin smooth, yellow; flesh white, rather mealy. Selfed seed.
266934. 'Seikan'. May be var. *microsperma* from Kosa. Fruit oblong, not netted or ribbed; skin greyish green with blotches of dark green; flesh salmon pink, juicy. Late. Selfed seed.
266935. 'Hyogo Shiro-uri'. Grown in Hyogo Prefecture (Kobe). Moisture and summer heat resistant. Selfed seed.
266936. 'Katura'. Originated in Kyoto Prefecture. Fruit oblong to 30 cm. long; skin green, turning white when ripe. Late. Selfed seed.
266937. 'Osaka Kuromon Aoshiro-uri'. Originated in Osaka Prefecture. Grown in Kansai area, western Japan. Flesh thick, crisp. Immature fruit sliced and used in salad. Selfed seed.
266938. 'Tokyo Oshiro-uri'. Fruit to 2 kg., oblong cylindrical, to 60 cm. long; skin smooth white; flesh white; cucumber flavor, unpalatable when ripe. Selfed seed.

## 266939. CUCUMIS MELO var. FLEXUOSUS (L.) Naud. Cucurbitaceae.

Snake melon.

No. 111. From Afghanistan. Greenhouse grown in Japan. Plant monoecious, this gene is dominant to andromonoecious; flowers large; leaves pale; flesh slightly acid, salmon pink, with cucumberlike odor. Selfed seed.

## 266940. CUCUMIS MELO var. INODORUS Naud.

Winter melon.

No. 242. From Shahrud, Iran. Plant andromonoecious; fruit large, flat, not netted; skin yellow when ripe, blotchy green when immature; flesh white, thick, fine textured; sugar content high. Selfed seed, third generation.

## 266941 to 266950. CUCUMIS MELO var. RETICULATUS Naud. Netted melon.

266941. 'Ananus d'Amerique a Chair Rouge'. From Vilmorin, France.
266942. 'Blenheim Orange'.
266943. 'Cavaillon Espagnol'. From Vilmorin, France. Selfed.
266944. 'Earl's Favourite'. From England. Plant andromonoecious, susceptible to midsummer heat; fruit lacks flavor and keeping qualities. Selfed seed, sixth generation.
266945. 'Hero of Lorkinge'.
266946. 'Melon de Poche'. From Vilmorin, France.
266947. 'Pearl'. Originated at Okitsu Horticultural Experiment Station ('British Queen' × 'Earl's Favourite') × 4n-'Hero of Lorkinge'. Suitable for home gardens. Selfed seed, second generation.
266948. 'Superative'.
266949. 'Vert Grimpant'. From Vilmorin, France. Selfed.
266950. No. 701. From Haibak, Afghanistan. Fruit flat, netted, with a slight ribbing; skin greyish green; flesh white. Poor keeping quality. Third generation selfed.

## 266951 to 266970.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received June 23, 1960.

## 266951 to 266962. SORGHUM BICOLOR var. ARDUINI (Koern.) Snowden Poaceae.

## 266951 to 266970—Continued

## 266951 to 266962—Continued

266951. No. 235. Dwarf type. From China.  
 266952. No. 1022. Medium tall. From China.  
 266953. No. 1171. From Japan.  
 266954. No. 1173. From Japan.  
 266955. No. 1257. From Korea. Tall.  
 266956. No. 1260. From Korea.  
 266957. No. 1263. Medium tall. From China.  
 266958. No. 1728. From China.  
 266959. No. 2557. From China.  
 266960. No. 2564. Medium tall. From China.  
 266961. No. 2566. Medium tall. From China.  
 266962. No. 2571. From China.

## 266963 to 266965. SORGHUM (hybrids). Poaceae.

266963. No. 193. *S. sudanense* hybrid. No. 5. Ukraine.  
 266964. No. 195. *S. sudanense* hybrid. Ukraine. Glumes black.  
 266965. *S. bicolor* × *S. halepense*.

## 266966 to 266970. ZEA MAYS L. Poaceae.

Corn

266966. Dent type with orange tip; line 64A. Northern Caucasus.  
 266967. K-12000. Yellow dent. Odessa, Ukraine.  
 266968. 10479. Yellow dent line 133A. Northern Caucasus.  
 266969. 10496. Line 157. Northern Caucasus.  
 266970. Line 158, yellow dent. Northern Caucasus.

## 266971. IRIS (hybrid). Iridaceae.

From Israel. Bulbs presented by the Agricultural Export Company, Tel Aviv. Received June 23, 1960.

'Wedgewood'.

## 266972 to 266979.

From Turkey. Seeds presented by the Department of Agronomy, University of Ankara, Ankara. Received June 24, 1960.

## 266972. AVENA BYZANTINA Koch Poaceae.

Oats.

P. No. 59/639. Kutuk No. 9885/1.

## 266973. AVENA SATIVA L.

Common oats.

P. No. 59/587. Kutuk No. 9864.

## 266974. HORDEUM DISTICHON L. Poaceae.

Two-rowed barley.

157/37. 'Tokak'.

## 266975. SECALE CEREALE L. Poaceae.

Rye.

59/80 'Ankora'.

## 266976. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

220/39 'Kose Bugday'.

## 266977. TRITICUM COMPACTUM Host

111/33.

## 266978 and 266979. TRITICUM DURUM Desf.

Durum wheat.

266978. 073/44.

266979. 414/44. 'Akbasak'.

**266980 and 266981.**

From the Union of South Africa. Seeds presented by the Department of Forestry, Pretoria. Received June 23, 1960.

266980. *CALLITRIS ARBOREA* Schrav. ex. E. Mey. Pinaceae.

266981. *PODOCARPUS HENCKELII* Stapf ex. Dallimore & Jackson Taxaceae.

**266982 to 266999. ZEA MAYS L. Poaceae.****Corn.**

From Japan. Seeds presented by the Hirasuka Branch, National Institute of Agricultural Science, Hiratsuka. Received June 23, 1960.

266982. 'Fuji Sutumura'.

266983. 'Fuji Yoshihara'.

266984 to 266990. Popcorn.

266984. 'Sikoku-Ofuki'. No. 1. Sib.

266985. 'Sikoku-Ofuki'. No. 2. Sib.

266986. 'Kyushu-Aso'. No. 4. Sib.

266987. 'Sikoku-Uchiumi'. No. 5. Sib.

266988. 'Sikoku-Uchiumi'. No. 6. Sib.

266989. 'Kyushu-Itsuki'. No. 8. Open.

266990. 'Sikoku-Kagawa'. No. 9. Open.

266991. Hamada-4. Sib. 'Vientine'. Y-waxy. Laos.

266992. Nakamura-3. (11-1). 'Chanacer Andong', 'Kg. Thom'. Camodge. Y-waxy.

266993. Nakamura-17. Sib. 'Kg. Thom'. Camodge. Y-flint and waxy.

266994. Nakamura-25. Sib. 'Phnom-Hiep', 'Siem Reap'. Camodge. Y-waxy and flint.

266995. Nakamura-26. Sib. 'Mongol Borey', 'Battambang'. Camodge. Y-waxy.

266996. Nakamura-27. Sib. 'Phnom Thmay', 'Battambang'. Camodge. Y-waxy.

266997. Nakamura-28. Sib. 'Phnom Thmay', 'Battambang'. Camodge. Y-waxy.

266998. Nakamura-31. Sib. 'Kg Chhnang'. 'Kg Chhnang'. Camodge. Y-waxy.

266999. Nakamura-36. Sib. 'Samrang Them', 'Kandal'. Camodge. Y-waxy and flint.

**267000. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From France. Seeds presented by the Museum National d'Histoire Naturelle, Paris. Received June 23, 1960.

**267001 to 267047. THEMEDA TRIANDRA Forsk. Poaceae.****Rooi grass.**

From the Union of South Africa. Seeds presented by the Division of Crops and Pastures, Department of Agriculture, Pretoria. Received June 28, 1960.

267001. No. 18. DL/60/888.

267006. No. 43. DL/60/876.

267002. No. 24. DL/60/893.

267007. No. 47. DL/60/910.

266703. No. 37. DL/60/874.

267008. No. 47. DL/60/910.

267004. No. 40. DL/60/915.

267009. No. 48. DL/60/913.

267005. No. 42. DL/60/877.

267010. No. 51. DL/60/887.



## 267001 to 267047—Continued

267011. No. 53. DL/60/906.	267030. No. 82. DL/60/880.
267012. No. 60. DL/60/872.	267031. No. 83. DL/60/916.
267013. No. 62. DL/60/901.	267032. No. 84. DL/60/884.
267014. No. 63. DL/60/894.	267033. No. 85. DL/60/908.
267015. No. 64. B/60/19.	267034. No. 86. DL/60/878.
267016. No. 65. DL/60/873.	267035. No. 87. DL/60/882.
267017. No. 66. DL/60/896.	267036. No. 88. DL/60/899.
267018. No. 68. DL/60/875.	267037. No. 89. DL/60/909.
267019. No. 69. DL/60/898.	267038. No. 91. DL/60/889.
267020. No. 70. DL/60/905.	267039. No. 96. DL/60/895.
267021. No. 71. DL/60/917.	267040. No. 97. DL/60/886.
267022. No. 72. DL/60/907.	267041. No. 98. DL/60/879.
267023. No. 73. DL/60/914.	267042. No. 99. DL/60/890.
267024. No. 73. DL/60/914.	267043. No. 107. DL/60/883.
267025. No. 76. DL/60/903.	267044. No. 171. DL/60/902.
267026. No. 77. DL/60/911.	267045. No. 173. DL/60/912.
267027. No. 78. DL/60/891.	267046. No. 473. DL/60/892.
267028. No. 79. DL/60/885.	267047. No. 821. DL/60/881.
267029. No. 80. DL/60/897.	

267048. *ALOPECURUS PRATENSIS* L. Poaceae. Meadow foxtail.

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus Botanicus Principalis Academiae Scientiarum, Moscow. Received June 27, 1960.

267049 and 267050. *ALOPECURUS PRATENSIS* L. Poaceae.

Meadow foxtail.

From the Netherlands. Seeds presented by the Van Engelen Brothers Hertogenbosch. Received June 27, 1960.

267049. Early type.

267050. Late type.

## 267051 to 267068.

From Poland. Seeds presented by the Instytut Hodowlii Aklimatyzacji Roslin, Warsaw. Received June 27, 1960.

267051. *AGROSTIS ALBA* L. Poaceae. Redtop.

'Polanowicka'.

267052. *ALOPECURUS PRATENSIS* L. Poaceae. Meadow foxtail.

'Polanowicki'.

267053. *BECKMANNIA ERUCAEFORMIS* (L.) Host Poaceae. Sloughgrass.267054. *BROMUS INERMIS* Leyss. Poaceae. Brome.

'Brudzynska'.

267055. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.

'Nakielska'.

267056. *FESTUCA RUBRA* L. Poaceae. Red fescue.

'Brudzynska'.

267057. *LOLIUM MULTIFLORUM* Lam. Poaceae. Italian ryegrass.

'Brudzynska'.

## 267051 to 267068—Continued

267058. *LOLIUM PERENNE* L. Perennial ryegrass.  
 267059. *LOLIUM* sp.  
 267060. *LOTUS CORNICULATUS* L. Fabaceae. Birdsfoot trefoil.  
     'Podnocna'.  
 267061. *MEDICAGO HISPIDA* Gaertn. Fabaceae.  
 267062. *MEDICAGO LUPULINA* L. Black medic.  
 267063. *PHLEUM PRATENSE* L. Poaceae. Timothy.  
 267064. *POA NEMORALIS* L. Poaceae. Wood bluegrass.  
     'Brudzynska'.  
 267065 and 267066. *POA PRATENSIS* L. Kentucky bluegrass.  
     267065. 'Brudzynska'.  
     267066. 'Pudawka'.  
 267067. *TRIFOLIUM HYBRIDUM* L. Fabaceae. Alsike clover.  
     'Ponocna'.  
 267068. *TRIFOLIUM REPENS* L. Whiteclover.  
     'Podkowa'.

267069. *TUSSACIA* sp. Gesneriaceae.

From the British West Indies. Cuttings collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Maryland. Received June 27, 1960.

Collected in wild, Sangre Grande, Trinidad, June 22, 1960.

267070. *CYNODON DACTYLON* (L.) Pers. Poaceae.

Bermudagrass.

From Iran. Plants collected by J. R. Harlan, University of Oklahoma, Stillwater, Oklahoma. Received June 21, 1960.

Col. No. 72. Dry slope in plowed field 78 km. north of Kermanshah, road to Sanandaj. Collected June 11, 1960.

267071. *ORYZA SATIVA* L. Poaceae.

From Saudi Arabia. Seeds presented by Rajah Jehah, Aramco, Abquaq. Received June 28, 1960.

From an Experiment Station near Hufuf.

267072. *ERIANTHUS ARUNDINACEUS* (Retz.) Jesw. Poaceae.

From Burma. Cuttings presented by E. A. W. Wagenaar, No. 1 Resettlement Unit, Myitkyina. Received June 29, 1960.

## 267073 to 267187.

From the Union of Soviet Socialist Republics. Seeds presented by the Department of Agriculture, Moscow. Received June 28, 1960.

267073. *AVENA BYZANTINA* Koch Poaceae. Oats.  
     K-9992. Sasharkandsk District.  
 267074. *AVENA SATIVA* L. Common oats.  
     K-6526. 'Aurea Stepiak 648'. Tamboriskya District.  
 267075. *AVENA SATIVA* var. *ARISTATA* Schlecht.  
     K-9950. 'Igeva Agn'. Estonia Republic.  
 267076 to 267080. *AVENA SATIVA* var. *MUTICA* Schlecht.  
     267076. K-9869. 'Khibini Z'. Murmansk District.

## 267073 to 267187—Continued

## 267076 to 267080—Continued

267077. K-9929. 'Stendski'. Small, early. Latvia.

267078. K-10734. 'Igeva Khyamarik'. Estonia.

267079. K-10790. 'Igovski 1026'. Kursk District.

267080. K-10854. 'Artemovski I'. Stalin District.

267081. CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.  
K-1580. 'Kashipovsky'.

267082 to 267085. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

267082. K-1895. 'Aestivales'. 'Ich-Kizil'. From central Asia.

267083. K-3186. From central Asia.

267084. K-610. 'Chandalar Gang'. From central Asia.

267085. K-3802. 'Autumnales Fil', 'Gulabi Oranzhevaya'. From central Asia.

267086 to 267088. CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.

267086. K-2437. 'Bershzovskii'.

267087. K-2412. 'Muromskii 36'. Moscow District.

267088. K-2220. 'Nezheeskii 12'.

267089 to 267091. DAUCUS CAROTA L. Apiaceae. Carrot.

267089. No. 1608. 'Akushinskaya'. Dagestanskia.

267090. No. 1623. 'Imaki Surk'. Tadjegkskaya'.

267091. No. K-1616. 'Mirzoi Zholtaya 304'.

267092 to 267099. SECALE CEREALE L. Poaceae. Rye.

267092. K-9358. 'Buriatskaya'. From Buriat, Mongolia.

267093. K-9372. 'Omska'. Omsk District.

267094. K-9394. 'Volzhanka'. Saratov District.

267095. K-9563. 'Izyumrud'. Leningrad District.

267096. K-9565. 'Elovs'. Barnaul (Altai Territory) District.

267097. K-9566. 'Tulunskaya'. Irkutsk District.

267098. K-9759. 'Stendskaya II'. Latvia.

267099. K-9810. 'Beregovskaya Leestnaya'. Zakarpatskaya.

267100 and 267101. SECALE KUPRIJANOVI Grossh.

267100. K-9586. Plants long lived, wild. Caucasus.

267101. K-9670. Plants long lived, wild. Caucasus.

267102. SECALE SEGETALE (Zhuk.) Roshev.

K-9585. 'Perevaya'. Highlands, Azerbaijan Republic.

267103. SORGHUM DOCHNA var. TECHNICUM (Koern.) Snowden Poaceae.

No. 591. 'Crimean 714'. Crimea District.

267104. SOLANUM MELONGENA L. Solanaceae. Eggplant.

No. 510. 'Cylinder A-132'. Krasnodar.

267105 to 267114. SORGHUM DURRA (Forsk.) Stapf. Poaceae.

267105. K-11. 'Durra Buyera'.

267106. K-64/II. 'Black Dwarf'.

267107. K-103. 'Zshngara Red'. Bread grain sorghum.

267108. K-374. 'Durra White'. From Palestine. Bread grain sorghum.



## 267073 to 267187—Continued

## 267105 to 267114—Continued

267109. K-637/II. 'Urus Dzshugara'.  
267110. K-752/I. White. From Armenia.  
267111. K-781/I. White.  
267112. K-819. 'Zshngara'. Forty days. Turkmanchai, Azerbaijan.  
267113. K-892. 'Durra White'. From Africa.  
267114. K-929. Bread grain sorghum. From China.  
267115. SORGHUM DOCHNA var. TECHNICUM (Koern.) Snowden  
K-34. Broom sorghum.  
267116. SOLANUM MELONGENA L. Solanaceae. Eggplant.  
K-591. Rostov.  
267117 to 267125. SORGHUM BICOLOR (L.) Moench  
267117. K-540. 'White Kaffir'. Georgia, U.S.S.R.  
267118. K-38/II. 'Yantara Red'. Sweet sorghum. From U.S.A.  
267119. K-39. 'Yantara Black'. Sweet sorghum. From U.S.A.  
267120. K-47. 'Yantara Early'. Sweet sorghum. Georgia, U.S.S.R.  
267121. K-81. 'Yantara Black'. Sweet sorghum. From Germany.  
267122. K-337/I. 'Yantara Black'. Sweet sorghum. From France.  
267123. K-460. 'Amber'. Early. Sweet sorghum.  
267124. K-731. 'Orange'. Sweet sorghum. From Mexico.  
267125. K-787. 'Chyamuk'. Sweet sorghum. From Azerbaijan.  
267126. SORGHUM CERNUUM var. YEMENSE (Koern.) Snowden  
K-357. 'Feterita'.  
267127. SORGHUM NERVOSUM var. NERVOSUM (Hack.) Snowden  
K-24. 'Gaolian'.  
267128. SORGHUM DOCHA var. FORMOSUM Snowden  
K-385. 'Gaolian Broom'.  
267129. SORGHUM NERVOSUM var. NERVOSUM  
K-403. 'Gaolian'. From Manchuria.  
267130. SORGHUM BICOLOR var. SUBGLOBOSUM (Hack.) Snowden  
K-517. 'Gaolian'. Tall growing.  
267131. SORGHUM sp.  
K-522.B. 'Gaolian Red'. From Manchuria.  
267132 to 267151. TRITICUM AESTIVUM L. Poaceae. Common wheat.  
267132. K-34706. 'Albidum'. Spring type.  
267133. K-34781. 'Barbarossa AC'. 'Lesostepka'. Ukraine. Winter type.  
267134. K-10359. 'Erythrospermum'. Zemka, Ukraine. Winter type.  
267135. K-38503. 'Erythrospermum Novoukrainka 83'. Krasnodar. Winter type.  
267136. K-40583. 'Erythrospermum Bezenchuk'. Kuibyshev, Tashkent. Spring type.  
267137. K-40604. 'Erythrospermum Odesskaya'. Ukraine. Winter type.

## 267073 to 267151—Continued

## 267132 to 267151—Continued

267138. K-40651. 'Erythrospermum Skorospelka'. Krasnodar. Winter type.
267139. K-41158. 'Erythrospermum Belowsskaya'. Belorussia, Tashkent. Spring type.
267140. K-34028. 'Ferrugineum', 'Krasnoyarka'. Krasnodar. Winter type.
267141. K-41633. 'Ferrugineum Karzakstanskaya'. Kazakstan, Alma-Ata.
267142. K-10245. 'Hostianum 23F'. Saratov. Winter type.
267143. K-39033. 'Hostianum Zenitka'. Ukraine. Winter type.
267144. K-38331. 'Lutescens'. Kuibyshev. Spring type.
267145. K-38337. 'Lutescens'. Saratov. Spring type.
267146. K-38385. 'Lutescens'. Ukraine. Winter type.
267147. K-40649. 'Lutescens Bezostaya'. Krasnodar, Tashkent. Winter type.
267148. K-41147. 'Lutescens Veselopodolyankaya'. Ukraine. Winter type.
267149. K-22236. 'Milturum'. Omsk. Spring type.
267150. K-40329. 'Saratovnaya'. Saratov. Spring type.
267151. K-38383. 'Velutinum'. Stepnaya. Voronen. Winter type.
- 267152 to 267155. TRITICUM DURUM Desf. Durum wheat.
267152. K-11372. 'Hordeiforme'. Saratov. Spring type.
267153. K-34734. 'Hordeiforme'. Kuibyshev, Saratov. Spring type.
267154. K-38514. 'Hordeiforme'. Ukraine. Spring type.
267155. K-39781. 'Hordeiforme'. Akmolinka. Kazakstan. Spring type.
- 267156 to 267187. ZEA MAYS L. Poaceae. Corn.
267156. 'Alashskaya Fholtaya'. Yellow dent. Gruzinskaya.
267157. 'Cinguantina'. Flint. Moldavskia.
267158. 'Dakota White'. Flint. Stalingrad District.
267159. 'Droznenskaya'. White dent.
267160. 'Fubowidnaya 3135'. Yellow dent. Chernovsty District.
267161. 'Gehu'. Flint. From Minnesota.
267162. 'Goretz'. White dent. Caucasus.
267163. Inbred A385.
267164. Inbred Cr 2.
267165. Inbred Dr. 22.
267166. Inbred 2 KM 368.
267167. Inbred T8144. Kneeskh.
267168. Inbred T8146.
267169. Inbred T8302.
267170. Inbred T8354.
267171. Inbred T8445.
267172. Inbred T8614.
267173. Inbred T8827.

**267073 to 267187—Continued****267156 to 267187—Continued**

267174. 'Kartuli-Krugi'. Yellow dent. Gruzinskaya.  
 267175. 'Kneeskh 9896'. Moldavian type.  
 267176. 'Liming Kruglik'.  
 267177. 'Liming Kubanski'.  
 267178. 'Mexican Type'. White dent. From California.  
 267179. 'Minnesota 13'. Yellow dent. From Minnesota.  
 267180. 'Minnesota 23'. White dent. From Minnesota.  
 267181. 'Northwestern'. Dent. From Dakota.  
 267182. 'Ohslaums'.  
 267183. 'Ossetinskaya Celaya Fubowidnaya'. White dent. Caucasus.  
 267184. 'Pioneer Dorski'. White dent.  
 267185. 'Quebec 28'. Yellow flint. From U.S.A.  
 267186. 'Sterling'. White dent.  
 267187. 'Zakarpatskaya'. Yellow dent.

**267188 to 267190. PRUNUS ARMENIACA L. Amygdalaceae.****Apricot.**

From Tunisia. Seeds presented by the Service Botanique et Agronomique, Ariana. Received June 29, 1960.

267188. 'Bedri'.  
 267189. 'Chechi'.  
 267190. 'Hamidi'.

**267191 to 267194. IPOMOEA BATATAS (L.) Lam. Convolvulaceae. Sweetpotato.**

From New Zealand. Tubers presented by the Crop Research Division, Vegetable Research Station, Olana, Auckland. Received June 30, 1960.

- |               |                |
|---------------|----------------|
| 267191. NZ 1. | 267193. NZ 19. |
| 267192. NZ 2. | 267194. NZ 27. |

**267195. EUPHORBIA PULCHERRIMA Willd. ex Klotzsch. Euphorbiaceae. Poinsettia.**

From Mexico. Seeds presented by Arthur Stockdale, Mexico City. Received June 30, 1960. Bracts salmon colored.

**267196. CHRYSANTHEMUM (hybrids). Asteraceae.**

From China. Plants presented by National Taiwan University through the International Cooperation Administration, Taipei, Taiwan. Received Jan. 16, 1957. Numbered June 30, 1960.

'Taiwan No. 15'. 'Autumn in the Shieh's. Flowers early, white, incurved, standard, center open, abundant in eight weeks of short days.

**267197. CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.**

From the United States. Seeds presented by Herbst Brothers, New York. Received May 6, 1959. Numbered June 30, 1960.

Plant midseason variety; vigor good; fruit to 12 inches long and three inches diameter, light green to yellow; spines white. From China.

**267198. CONVALLARIA EISKEI Miq. Convallariaceae.**

From Japan. Seeds presented by the Aomori Branch Station, Okidate, Aomori. Received March 22, 1958. Numbered June 30, 1960.



**267199. EPHEDRA SINICA Stapf Gnetaceae.**

From the United States. Seeds held by the Crops Research Division, Plant Industry Station, Beltsville, Md. Received 1957. Numbered June 30, 1960.

**267200 to 267202. ALOPECURUS PRATENSIS L. Poaceae.****Meadow foxtail.**

From Hungary. Seeds presented by the Orszagos Agrobotanikai, Intezet, Tapioszele. Received June 30, 1960.

**267200.** No. 1. 1283/1960 V. 25.

**267201.** No. 2. 1283/1960 V. 25.

**267202.** No. 3. 1283/1960 V. 25.

**267203 to 267226. ZEA MAYS L. Poaceae.****Corn.**

From various sources. Seeds held at Regional Plant Introduction Station, Ames, Iowa. Numbered June 30, 1960.

**267203.** A-24. 'Abhazkaya Zheltaya'. Late variety. From Georgia, U.S.S.R. via Russian delegation to U.S.A., July 1958.

**267204.** A-23. 'Adzhametskaya Belay'. Late indented variety. From Georgia, U.S.S.R. via Russian delegation to U.S.A., July 1958.

**267205.** A-32. 'Banatean'. Yellow flint. From Romania via University of Wisconsin, April 1959.

**267206.** A-5. 'Chirpan 90'. From a Russian delegation July 1958. From Bulgaria.

**267207.** A-27. 'Cincantin'. Yellow flint. From Romania via University of Wisconsin, April 1959.

**267208.** A-14. 'Czechnicka'. From Poland via Russian delegation to the U.S.A., July 1958.

**267209.** A-43. 'Gorets Rannity'. From the University of Wisconsin, April 1959. From U.S.S.R. (Northern Caucasus).

**267210.** A-28. 'Icar 54'. Yellow dent. From the University of Wisconsin, April 1959. From Romania.

**267211.** A-30. 'Lapusneas'. Yellow flint. From the University of Wisconsin, April 1959. From Romania.

**267212.** A-15. 'Flint. From Russian delegation, July 1958. From Moldavia.

**267213.** A-8. 'Mestnaya'. Indented. From Russian delegation, July 1958. From Bulgaria.

**267214.** A-2. 'Mestnaya Zheltaya Dalinnaya'. Indented. From Russian delegation, July 1958. From Albania.

**267215.** A-6. 'Mestnaya Zheltaya Uluchennaya'. Indented, yellow. From Russian delegation, July 1958. From Bulgaria.

**267216.** A-13. 'Oksonka'. From Russian delegation, July 1958. From Poland.

**267217.** A-22. 'Pioner Gorskiy'. Indented, late variety. From Russian delegation, July 1958. From U.S.S.R. (North Caucasus).

**267218.** A-31. 'Portocalin'. Yellow flint. From the University of Wisconsin, April 1959. From Romania.

**267219.** A-34. 'Romnese-Studina'. Yellow flint. From the University of Wisconsin, April 1959. From Romania.

**267220.** A-33. 'Scorumnic'. Yellow flint. From the University of Wisconsin, April 1959. From Romania.

**267221.** A-3. 'Slyanic'. Indented. From Russian delegation, July 1958. From Albania.

## 267203 to 267226—Continued

267222. A-1. 'Sulyeva Belays'. Indented. From Russian delegation, July 1958. From Albania.
267223. A-29. Open pollinated yellow dent. From the University of Wisconsin, April 1959. From Romania.
267224. A-38. Yellow flint. From the University of Wisconsin, April 1959. From Bulgaria.
267225. A-21. From Russian delegation July 1958. From U.S.S.R. (Northern Caucasus).
267226. A-9. 'Mestnaya'. Indented, midseason variety. From Russian delegation, July 1958. From Bulgaria.

## 267227 to 267234.

From the Ivory Coast. Seeds presented by Institut des Fruits et Agrumes Coloniaux, Abidjan. Received June 7, 1960. Numbered July 1, 1960.

- 267227 to 267231. CITRUS AURANTIFOLIA (Christm.) Swingle Rutaceae.  
Lime.
267227. 'Lime Acide de Tunisie'. 267230. 'Limonette de Marrakech'.
267228. 'Lime du Motasseb'. 267231. 'Sweet Lime Fourny'.
267229. 'Lime Trabelsii'.
267232. CITRUS AURANTIUM L. Seville orange.  
'Bigaradier Apepu'.
267233. CITRUS RETICULATA Blanco Mandarin orange.  
'Sanguine Trabut'.
267234. CITRUS SINENSIS (L.) Osbeck Orange.  
'Sarmentaux de Meknes'.

## 267235 to 267237.

From the British West Indies. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 1, 1960.

267235. CASSIA NODOSA Buch. Caesalpiniaceae.  
From St. Louis d'Or, Tobago.
267236. COPERNICIA PRUNIFERA (Miller) H. E. Moore Phoeniceae.  
Carnauba palm.  
Port of Spain, Trinidad.
267237. DELONIX REGIA (Boj.) Raf. Caesalpiniaceae. Royal poinciana.  
A yellow-flowered tree, cultivated on Tobago.

## 267238 to 267279.

From Great Britain. Plants presented by the Royal Botanic Garden, Edinburgh, Scotland. Received June 14, 1960.

- 267238 to 267257. ILEX AQUIFOLIUM L. Aquifoliaceae. English holly.
267238. 'Argentea Marginata'. 267245. 'Golden King'.
267239. 'Argentea Pendula'. 267246. 'Graecian'.
267240. 'Aureum Marginata'. 267247. 'Heterophylla'.
267241. 'Aureum Regina'. 267248. 'Intermedia'.
267242. 'Ciliata Major'. 267249. 'Latispina'.
267243. 'Crispa'. 267250. 'Lucida Variegata'.
267244. 'Flavescens'. 267251. 'Maderensis'.

## 267238 to 267279—Continued

## 267238 to 267257—Continued

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|---------------------------------|-----------------------------|
| 267252. 'Maderensis Variegata'. | 267255. 'Recurvata'.        |
| 267253. 'Media Picta'.          | 267256. 'Serratifolium'.    |
| 267254. 'Ovata'.                | 267257. 'Whittingtonensis'. |

267258. *ILEX AQUIFOLIUM* f. *BACCIFLAVA* (West.) Rehder267259 to 267261. *ILEX AQUIFOLIUM* f. *FEROX* (Ait.) Schneider

267259. 'Aurea'.

267260. 'Variegata'.

267261. No varietal name given.

267262 and 267263. *ILEX AQUIFOLIUM* f. *PENDULA* (Loud.) Schelle

267262. 'Tricolor'.

267263. No varietal name given.

267264. *ILEX CILIOSPINOSA* Loes.267265. *ILEX CORNUTA* Lindl. & Paxt.

Chinese holly.

'Burford'.

267266. *ILEX CRASSIFOLIA* Hook.267267 and 267268. *ILEX CRENATA* f. *LATIFOLIA* (Goldr.) Rehder

267267. 'Major'.

267268. No varietal name given.

267269. *ILEX DIPYRENA* Wall.267270. *ILEX INTEGRATA* Thunb.267271. *ILEX PEDUNCULOSA* var. *CONTINENTALIS* Loes.267272 and 267273. *ILEX PERNYI* Franch

267272. 'Veitchii'.

267273. No varietal name given.

267274 to 267279. *ILEX* × *ALTA CLARENSIS* Dallim.

267274. 'Camelliaefolia Aurea'. 267277. 'Nobilis'.

267275. 'Hodginsii'. 267278. 'Shepherdii'.

267276. 'Lawsoniana'. 267279. 'Wilsonii'.

## 267280 to 267297.

From Panama. Plants purchased from H. A. Dunn, Balboa, Canal Zone. Received June 2, 1960. Numbered July 5, 1960.

- |   |         |
|---|---------|
| 267280. <i>BRASSIA ALLENII</i> (L. O. Wms.) C. Schweinf. Orchidaceae. |         |
| 267281. <i>CATASETUM VIRIDIFLAVUM</i> Hook. Orchidaceae.              |         |
| 267282. <i>CHONDRORHYNCHA LIPSCOMBIAE</i> Rolfe. Orchidaceae.         |         |
| 267283. <i>CORYANTHES HUNTERIANA</i> Schltr. Orchidaceae.             | Orchid. |
| 267284. <i>EPIDENDRUM FRAGRANS</i> Sw. Orchidaceae.                   | Orchid. |
| 267285. <i>GONGORA AROMATICA</i> Reichb. f. Orchidaceae.              | Orchid. |
| 267286. <i>HUNTLEYA BURTII</i> Pfitz. Orchidaceae.                    | Orchid. |
| 267287. <i>IONOPSIS UTRICULARIOIDES</i> Lindl. Orchidaceae.           | Orchid. |
| 267288. <i>MORMODES HOOKERI</i> Lem. Orchidaceae.                     | Orchid. |
| 267289. <i>ONCIDIUM BAUERI</i> Lindl. Orchidaceae.                    | Orchid. |
| 267290. <i>ONCIDIUM CHEIROPHORUM</i> Reichb. f.                       | Orchid. |



**267280 to 267297—Continued**

267291. *ONCIDIUM PUSILLUM* Reichb. f. Orchid.  
 267292. *ONCIDIUM TERES* Ames & Schweinf. Orchid.  
 267293. *ORNITHESCEPHALUS BICORNIS* Lindl. Orchidaceae. Orchid.  
 267294. *PESCATOREA CERIN* Reichb. f. Orchidaceae.  
 267295. *STANHOPEA BUCEPHALUS* Lindl. Orchidaceae.  
 267296. *STELIS HYMENANTHA* Schltr. Orchidaceae.  
 267297. *TRICHOCENTRUM PANAMENSE* Rolfe. Orchidaceae. Orchid.

**267298. *PLECTRANTHUS CILIATUS* E. Mey. Menthaceae.**

From the Union of South Africa. Plants presented by the Division of Botany, Pretoria. Received July 6, 1960.

**267299 to 267313. *LOLIUM PERENNE* L. Poaceae.****Perennial ryegrass.**

From New Zealand. Seeds presented by the Grasslands Division, Department of Scientific and Industrial Research, Palmerston, North Island. Received July 7, 1960.

267299. A 2070. Collected at Otematata Saddle, Otago, South Island.  
 267300. A 2082. 'Golden Perennial' ex McGill, Smith, England.  
 267301. A 2096. Pasture North Canterbury, South Island.  
 267302. A 2097. Thirty-year-old pasture, Auckland, North Island.  
 267303. A 2099. Otematata strain, Department of Agriculture, Oamaru, South Island.  
 267304. A 2135. Wairarapa, North Island.  
 267305. A 2184. Pasture Hawkes Bay, North Island.  
 267306. A 2185. Pasture Poverty Bay, North Island.  
 267307. A 2240. Pasture North Canterbury, South Island.  
 267308. A 2242. Ashburton, Canterbury, South Island.  
 267309. A 2243. Waimate, Canterbury, South Island.  
 267310. A 2244. Rakaia, Canterbury, South Island.  
 267311. A 2245. Dunedin, Otago, South Island.  
 267312. A 2246. No data.  
 267313. A 2251. Forty-year-old pasture, Auckland, North Island.  
**267314. *NICOTIANA TABACUM* L. Solanaceae. Common tobacco.**  
 From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Salta. Received July 7, 1960.

'Chicoana No. 1'. Virginia type, from 402 × 'Harrison', cross made in Argentina, 1949-50. Reselected and selfed for nine seasons. Yield high; quality excellent in Argentina.

**267315 and 267316.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received July 7, 1960.

267315. *CROTON TIGLIUM* L. Euphorbiaceae.  
 I.W. 1742.  
 267316. *PENNISSETUM HOHENACKERI* Hochst. Poaceae.  
 I.W. 1765.

**267317 and 267318.**

From the United States. Seeds presented by the Los Angeles State and County Arboretum, Arcadia, California. Received July 7, 1960.

267317. *EUCALYPTUS DEGLUPTA* Blume Myrtaceae.

267318. *EUCALYPTUS GUMMIFERA* (Gaertn.) Hochr.

**267319. *EUCALYPTUS ALBA* Reinw. ex Blume Myrtaceae.**

From Australia. Seeds presented by the Forestry and Timber Bureau, Canberra. Received July 7, 1960.

**267320 to 267656.**

From India. Seeds presented by the Rockefeller Foundation, Indian Agricultural Program, New Delhi. Received July 8, 1960.

267320. *SORGHUM ARUNDINACEUM* (Willd.) Stapf Poaceae.

No. 232. I.S. 2894.

267321 and 267322. *SORGHUM CAUDATUM* (Hack.) Stapf

267321. No. 202. I.S. 2963. 'White Hegari' DL/59/1540.

267322. No. 203. I.S. 2864. 'Red Hegari' DL/59/1541.

267323. *SORGHUM DURRA* (Forsk.) Stapf.

No. 320. I.S. 3032. 'Tomentosum 62-B'. Panicle branches long cluster type; central rachis protracted.

267324. *SORGHUM MELLITUM* Snowden

No. 204. I.S. 2865. 'Haakdoorn' DL/59/1542. From South Africa.

267325. *SORGHUM PURPUREO-SERICEUM* (Hochst.) Aschers. & Schweinf.

No. 128. I.S. 2776. From Uganda.

267326 to 267333. *SORGHUM VERTICILLIFLORUM* (Steud.) Stapf

267326 No. 124. I.S. 2772. 267330. No. 129. I.S. 2777.

267327. No. 125. I.S. 2773. 267331. No. 130. I.S. 2778.

267328. No. 126. I.S. 2774. 267332. No. 131. I.S. 2779.

267329. No. 127. I.S. 2775. 267333. No. 324. I.S. 3036.

267334 to 267651. *SORGHUM BICOLOR* (L.) Moench

267334. No. 205. I.S. 2866. DL/59/1543.

267335. No. 1. I.S. 2649.

267336. No. 2. I.S. 2650.

267337. No. 3. I.S. 2651.

267338. No. 4. I.S. 2652.

267339. No. 5. I.S. 2653.

267340. No. 6. I.S. 2654. C-1.

267341. No. 7. I.S. 2655. C-5.

267342. No. 8. I.S. 2656. C-7.

267343. No. 9. I.S. 2657. C-8.

267344. No. 10. I.S. 2658. C-9.

267345. No. 11. I.S. 2659. C-11.

267346. No. 12. I.S. 2660. C-15.

267347. No. 13. I.S. 2661. C-21.

267348. No. 14. I.S. 2662. C-25.

267349. No. 15. I.S. 2663. 'Edeidei'.

## 267320 to 267656—Continued

## 267334 to 267651—Continued

267350.	No. 16.	I.S. 2664.	G-4.
267351.	No. 17.	I.S. 2665.	G-14.
267352.	No. 18.	I.S. 2666.	G-18.
267353.	No. 19.	I.S. 2667.	G-20.
267354.	No. 20.	I.S. 2668.	G-22.
267355.	No. 21.	I.S. 2669.	G-26.
267356.	No. 22.	I.S. 2670.	G-27.
267357.	No. 23.	I.S. 2671.	G-28.
267358.	No. 24.	I.S. 2672.	G-29.
267359.	No. 25.	I.S. 2673.	G-31.
267360.	No. 26.	I.S. 2674.	G-38.
267361.	No. 27.	I.S. 2675.	G-39.
267362.	No. 28.	I.S. 2676.	G-41.
267363.	No. 29.	I.S. 2677.	G-42.
267364.	No. 30.	I.S. 2678.	G-43.
267365.	No. 31.	I.S. 2679.	G-45.
267366.	No. 32.	I.S. 2680.	J-16.
267367.	No. 33.	I.S. 2681.	J-27.
267368.	No. 34.	I.S. 2682.	J-56.
267369.	No. 35.	I.S. 2683.	J-73.
267370.	No. 36.	I.S. 2684.	KA-2.
267371.	No. 37.	I.S. 2685.	L-20.
267372.	No. 38.	I.S. 2686.	L-28.
267373.	No. 39.	I.S. 2687.	L-33.
267374.	No. 40.	I.S. 2688.	MN-4.
267375.	No. 41.	I.S. 2689.	MN-23.
267376.	No. 42.	I.S. 2690.	Mneja-I.
267377.	No. 43.	I.S. 2691.	N-1.
267378.	No. 44.	I.S. 2692.	No-431.
267379.	No. 45.	I.S. 2693.	No-494.
267380.	No. 46.	I.S. 2694.	R-1.
267381.	No. 47.	I.S. 2695.	R-2.
267382.	No. 48.	I.S. 2696.	SA-2.
267383.	No. 49.	I.S. 2697.	SA-14.
267384.	No. 50.	I.S. 2698.	SB-16.
267385.	No. 51.	I.S. 2699.	SB-26.
267386.	No. 52.	I.S. 2700.	SB-36.
267387.	No. 53.	I.S. 2701.	SB-37.
267388.	No. 54.	I.S. 2702.	SB-40.
267389.	No. 55.	I.S. 2703.	SB-43.
267390.	No. 56.	I.S. 2704.	SB-48.
267391.	No. 57.	I.S. 2705.	SB-53.



## 267230 to 267656—Continued

## 267334 to 267651—Continued

267392.	No. 58.	I.S. 2706.	SB-59.
267393.	No. 59.	I.S. 2707.	SB-117.
267394.	No. 60.	I.S. 2708.	SB-141.
267395.	No. 61.	I.S. 2709.	SB-209.
267396.	No. 62.	I.S. 2710.	SB-210.
267397.	No. 63.	I.S. 2711.	SB-216.
267398.	No. 65.	I.S. 2713.	SB-227.
267399.	No. 66.	I.S. 2714.	SB-229.
267400.	No. 67.	I.S. 2715.	SB-232.
267401.	No. 69.	I.S. 2717.	SB-235.
267402.	No. 70.	I.S. 2718.	SB-245.
267403.	No. 71.	I.S. 2719.	SB-255.
267404.	No. 72.	I.S. 2720.	SB-258.
267405.	No. 73.	I.S. 2721.	SB-277.
267406.	No. 74.	I.S. 2722.	SB-281.
267407.	No. 75.	I.S. 2723.	SB-283.
267408.	No. 76.	I.S. 2724.	SB-288.
267409.	No. 78.	I.S. 2726.	BC-2-M. 'Msumbiji (S-75)'.
267410.	No. 79.	I.S. 2727.	BC-2 'Belko (S-76)'.
267411.	No. 80.	I.S. 2728.	T-7.
267412.	No. 81.	I.S. 2729.	T-11.
267413.	No. 82.	I.S. 2730.	T-15.
267414.	No. 83.	I.S. 2731.	T-21.
267415.	No. 84.	I.S. 2732.	T-32.
267416.	No. 85.	I.S. 2733.	'Tjolutjo'.
267417.	No. 86.	I.S. 2734.	W-4.
267418.	No. 87.	I.S. 2735.	W-5.
267419.	No. 88.	I.S. 2736.	W-6.
267420.	No. 89.	I.S. 2737.	W-11.
267421.	No. 90.	I.S. 2738.	Z-1.
267422.	No. 91.	I.S. 2739.	Z-2.
267423.	No. 92.	I.S. 2740.	Z-3.
267424.	No. 93.	I.S. 2741.	Z-4.
267425.	No. 94.	I.S. 2742.	Z-5.
267426.	No. 95.	I.S. 2743.	Z-6.
267427.	No. 96.	I.S. 2744.	Z-7.
267428.	No. 97.	I.S. 2745.	Z-8.
267429.	No. 98.	I.S. 2746.	SGI Bulk.
267430.	No. 99.	I.S. 2747.	SG2 Bulk.
267431.	No. 100.	I.S. 2748.	SG4 Bulk.
267432.	No. 101.	I.S. 2749.	SG5 Bulk.
267433.	No. 102.	I.S. 2750.	SG6 Bulk.

## 267230 to 267656—Continued

## 267334 to 267651—Continued

267434. No. 103. I.S. 2751. SG7 Bulk.  
 267435. No. 104. I.S. 2752. SG9 Bulk.  
 267436. No. 105. I.S. 2753. SG10 Bulk.  
 267437. No. 106. I.S. 2754. SG11 Bulk.  
 267438. No. 107. I.S. 2755. SG12 Bulk.  
 267439. No. 111. I.S. 2759.  
 267440. No. 112. I.S. 2760.  
 267441. No. 114. I.S. 2762.  
 267442. No. 115. I.S. 2763.  
 267443. No. 116. I.S. 2764.  
 267444. No. 117. I.S. 2765. 'Dobbs'.  
 267445. No. 118. L.S. 2766. (BC27)2x W1M 42 B-42B.  
 267446. No. 119. I.S. 2767. BC-27, white selfed.  
 267447. No. 120. I.S. 2768. N-4 ordinary bulk.  
 267448. No. 121. I.S. 2769. 'Msumbiji'.  
 267449. No. 122. I.S. 2770. No. 5-G37. Best heads selected.  
 267450. No. 123. I.S. 2771. SB-256.  
 267451. No. 132. I.S. 2780. BC 2 W. 23B/4N Mixed.  
 267452. No. 133. I.S. 2781. BC2 MS 38/4N/1.  
 267453. No. 134. I.S. 2782. 4N x 5/F3 Ex-Nursery.  
 267454. No. 136. I.S. 2784. L.G.5 4N. Seed large.  
 267455. No. 137. I.S. 2785. 'Korgi'. From Sudan.  
 267456. No. 138. I.S. 2787. 'Muthio'. From Kenya, Africa.  
 267457. No. 139. I.S. 2788. 'Muvya'. From Kasunguni.  
 267458. No. 140. I.S. 2800. 'El Fadni 58/58'. From Sudan.  
 267459. No. 141. I.S. 2801. 'Mugbash 56/56'.  
 267460. No. 142. I.S. 2802. 'Gadame El Hamam'.  
 267461. No. 143. I.S. 2803. 'Wad Bejhir 51/56'.  
 267462. No. 144. I.S. 2804. 'Bahana 32/56'.  
 267463. No. 145. I.S. 2805. 'Bahana 31/56'.  
 267464. No. 146. I.S. 2806. 'Feterita Wad Umm Benein 15/56'. Bulk  
 1.  
 267465. No. 147. I.S. 2807. 'Feterita Wad Umm Benein 18/56'. Bulk  
 12.  
 267466. No. 148. I.S. 2808. 'Feterita Wad Umm Benein 15/56'. Bulk  
 9.  
 267467. No. 149. I.S. 2809. 'Feterita Wad Umm Benein 13/56'. Bulk 7.  
 267468. No. 150. I.S. 2810. 'Feterita Wad Umm Benein 12/56'. Bulk  
 6.  
 267469. No. 151. I.S. 2811. 'Feterita Wad Umm Benein 15/56'. Bulk  
 5.  
 267470. No. 152. I.S. 2812. 'Feterita Wad Umm Benein'. 5/30/54/3.  
 267471. No. 153. I.S. 2813. 'Feterita Maartuk 1/56/5/30/25/2'.  
 267472. No. 154. I.S. 2814. 'Wad Yabgo 132/53'.

## 267230 to 267656—Continued

## 267334 to 267651—Continued

267473. No. 155. T.S. 2815. 'Mugbash'
267474. No. 156. I.S. 2816. 'Zerezero White'.
267475. No. 157. I.S. 2817. 'Gatooma 16/51'. From Southern Rhodesia.
267476. No. 158. I.S. 2818. 'Tseta 27/51'.
267477. No. 159. I.S. 2819. 'Bosman 27/52'.
267478. No. 160. I.S. 2820. No data.
267479. No. 161. I.S. 2821. Tall, bird resistant, 183/56.
267480. No. 162. I.S. 2822. 'Red Swazi 241/56'.
267481. No. 163. I.S. 2823. 'Feterita Wad Umm Benein 23/12/5'.
267482. No. 164. I.S. 2824. 'Mundende 161/57'.
267483. No. 165. I.S. 2825. 68/56. Tall, birdproof. From South Africa.
267484. No. 166. I.S. 2826. Birdproof 196/51.
267485. No. 167. I.S. 2827. Birdproof 224/56.
267486. No. 168. I.S. 2828. 'Barnard's Red 225/56'.
267487. No. 169. I.S. 2829. 'Radar 226/56'.
267488. No. 170. I.S. 2830. 'Rustenberg 242/56'.
267489. No. 171. I.S. 2831. 'Cape Colo 28/53'.
267490. No. 172. I.S. 2832. 'Matilda 60/50'.
267491. No. 173. I.S. 2833. 'Capricorn 8/50'.
267492. No. 174. I.S. 2834. Bird resistant from Karper, Texas, 7612 SA. From Southern Rhodesia.
267493. No. 175. I.S. 2835. 'Milo Feterita 139/51'. From Tanganyika.
267494. No. 176. I.S. 2836. 'Swaziland P.H.I. 170/51'. From Tanganyika.
267495. No. 177. I.S. 2837. 'Hoakdoom 19/59'. Forage sorghum.
267496. No. 178. I.S. 2838. 'Ambercane Sweet Sorghum 24/59'. Forage sorghum.
267497. No. 179. I.S. 2839. 'Ribboncane 11/59'. Forage sorghum.
267498. No. 180. I.S. 2840. 'Bathoen White 57/51'. From Bechuanaland.
267499. No. 181. I.S. 2841. 'Matopos'. Induna.
267500. No. 182. I.S. 2842. 'Matopos' selection 'Shangani 93/56'.
267501. No. 183. I.S. 2843. 'Sambura S3 201/56'. 'Matopos' selection.
267502. No. 184. I.S. 2844. 'Feteritawa Umm Benein 20/56 89/9/7'.
267503. No. 185. I.S. 2845. 'Feteritawa Umm Benein 24/56 79/24/4'.
267504. No. 186. I.S. 2846. 'Feritawad Umm Benein 27/56 23/12/1'.
267505. No. 187. I.S. 2848. 'Swazi Red DL/59/125'. From South Africa.
267506. No. 188. I.S. 2849. 'Birdproof H. Potchefstroom DL/59/1526'. From Pretoria, South Africa.
267507. No. 189. I.S. 2850. 'Plainsman AW/56/29'. From U.S.A.
267508. No. 190. I.S. 2851. 'Radar H. Potchefstroom DL/59/1538'. From U.S.A.



## 267230 to 267656—Continued

## 267334 to 267651—Continued

267509. No. 191. I.S.2852. 'Combine AW/58/25/DL/59/1529'. From U.S.A.
267510. No. 192. I.S. 2853. 'Wit Lichtenburg DL/59/1530'.
267511. No. 193. I.S. 2854. 'Barnard Red DL/59/1531'.
267512. No. 194. I.S. 2855. AW 70/12 DL/59/1532.
267513. No. 195. I.S. 2856. 'Ntuli Swaziland AW/58/197 DL/59/1533'.
267514. No. 196. I.S. 2857. 'Settlers DL/59/1534'.
267515. No. 197. I.S. 2858. 'Norghum USA DL/59/1535'.
267516. No. 198. I.S. 2859. 'Natal White DL/59/1536'.
267517. No. 199. I.S. 2860. 'Red Mixed DL/59/1537'.
267518. No. 200. 2861. 'Wit Bultfontein DL/59/1538'.
267519. No. 201. I.S. 2862. 'Framiola DL/59/1539'.
267520. No. 206. I.S. 2867. 'Sugardip DL/59/1544'. Gunson seeds.
267521. No. 207. I.S. 2868. 'Red Amber Glen OFS DL/59/1545'.
267522. No. 208. I.S. 2869. 'Fluweel DL/59/1546'.
267523. No. 209. I.S. 2870. F.A.O. Seed Accession No. 8468 S100.
267524. No. 210. I.S. 2871. F.A.O. S.A. No. 8469.
267525. No. 211. I.S. 2872. F.A.O. S.A. No. 8470.
267526. No. 212. I.S. 2873. F.A.O. S.A. No. 8471.
267527. No. 213. I.S. 2874. F.A.O. S.A. No. 8472.
267528. No. 214. I.S. 2875. F.A.O. S.A. No. 8473.
267529. No. 215. I.S. 2876. F.A.O. S.A. No. 8474.
267530. No. 216. I.S. 2877. F.A.O. S.A. No. 8475.
267531. No. 217. I.S. 2878. F.A.O. S.A. No. 8476.
267532. No. 218. I.S. 2879. F.A.O. S.A. No. 8477.
267533. No. 219. I.S. 2880. M.6509 Variety from Tpiros.
267534. No. 220. I.S. 2881. F.A.O. S.A. No. 8479. 'Hegari'.
267535. No. 233. I.S. 2896.
267536. No. 234. I.S. 2898. From Ethiona, 150 miles south of Addis Ababa, Ethiopia.
267537. No. 234. I.S. 2898. From Ethiona, 150 miles south of Addis Ababa, Ethiopia.
267538. No. 236. I.S. 2900. 'Bascha Mimba'. From Zaria, Samaru, North Nigeria.
267539. No. 237. I.S. 2901. 'Fara Fara'.
267540. No. 238. I.S. 2902. 'Barugan Doki'. From Zaria, Samaru, North Nigeria.
267541. No. 239. I.S. 2903. From Khartoum market, Sudan, via Zaria, Samaru, North Nigeria.
267542. No. 240. I.S. 2904. From Zaria, Samaru, North Nigeria.
267543. No. 241. I.S. 2905. From Khartoum, Sudan.
267544. No. 242. I.S. 2906. 'Kar Kurundu'. From Zaria, Samaru, North Nigeria.
267545. No. 243. I.S. 2907. 'Kaura'. From Zaria, Samaru, North Nigeria.

## 267230 to 267656—Continued

## 267334 to 267651—Continued

267546. No. 244. I.S. 2908. 'Kaura'. Glumes black. From Zaria, Samaru, North Nigeria.
267547. No. 245. I.S. 2909. From Khartoum market, Sudan, via Zaria, Samaru, North Nigeria.
267548. No. 246. I.S. 2910. From Khartoum market, Sudan, via Zaria, Samaru, North Nigeria.
267549. No. 247. I.S. 2911. Kaura type. From Zaria, Samaru, North Nigeria.
267550. No. 249. I.S. 2956. No. 2. From Ethiopia.
267551. No. 250. I.S. 2958. No. 4.
267552. No. 251. I.S. 2959. No. 30. Ethiopian Selection No. 2.
267553. No. 252. I.S. 2960. No. 30. 'Alemaya'.
267554. No. 253. I.S. 2961. No. 31. 'Alemaya'.
267555. No. 254. I.S. 2962. No. 31. Ethiopian Selection No. 3. 'Alemaya'.
267556. No. 255. I.S. 2963. No. 32. 'Alemaya'.
267557. No. 256. I.S. 2964. No. 32. Ethiopian Selection No. 4.
267558. No. 257. I.S. 2965. No. 33. 'Mugsa Alemaya 1957'.
267559. No. 258. I.S. 2966. No. 33. 'Alemaya'.
267560. No. 259. I.S. 2967. No. 35. 'Marul No. 3'. Stalk sweet.
267561. No. 260. I.S. 2970. No. 37. 'Fendieha Alemaya'.
267562. No. 261. I.S. 2971. No. 38. 'Alemaya'.
267563. No. 262. I.S. 2972. No. 38. 'Dongondgof 3803 Alemaya 1957'.
267564. No. 263. I.S. 2973. No. 40. 'Keyila No. 2'.
267565. No. 264. I.S. 2974. No. 40. 'Alemaya'.
267566. No. 265. I.S. 2975. No. 41. 'Alemaya'.
267567. No. 266. I.S. 2976. No. 41. 'Keyila No. 3. Alemaya 1957'.
267568. No. 267. I.S. 2977. No. 43.
267569. No. 268. I.S. 2979. No. 46. From Jimma market, Ethiopia.
267570. No. 269. I.S. 2980. No. 47.
267571. No. 270. I.S. 2981. From Jimma market, Ethiopia. No. 48.
267572. No. 271. I.S. 2982. No. 49.
- 267573 to 267582. From Jimma market, Ethiopia.
267573. No. 272. I.S. 2983. No. 50.
267574. No. 273. I.S. 2984. No. 51.
267575. No. 274. I.S. 2985. No. 52.
267576. No. 275. I.S. 2986. No. 53.
267577. No. 276. I.S. 2987. No. 54.
267578. No. 277. I.S. 2988. No. 55.
267579. No. 278. I.S. 2989. No. 56.
267580. No. 279. I.S. 2990. No. 57.
267581. No. 280. I.S. 2991. No. 59.
267582. No. 281. I.S. 2992. No. 60.

## 267230 to 267656—Continued

267583 to 267656. From Imperial Ethiopian College of Agriculture and Mechanical Arts.

- |         |          |            |                   |   |
|---------|----------|------------|-------------------|---|
| 267583. | No. 282. | I.S. 2993. | No. 69.           |   |
| 267584. | No. 283. | I.S. 2994. | No. 70.           | 'Fendisha'.   |
| 267585. | No. 284. | I.S. 2995. | No. 72.           |   |
| 267586. | No. 285. | I.S. 2996. | No. 73.           |   |
| 267587. | No. 286. | I.S. 2997. | No. 77.           | 'Keyala'.   |
| 267588. | No. 287. | I.S. 2998. | No. 78.           | 'Keyala II'.  |
| 267589. | No. 288. | I.S. 2999. | No. 78.           | 'Fendisha'.   |
| 267590. | No. 289. | I.S. 3000. | No. 79.           | 'Rejim Mugra'.  |
| 267591. | No. 290. | I.S. 3001. | No. 80.           | Dwarf selection.  |
| 267592. | No. 291. | I.S. 3002. | No. 81.           | 'Cullubi'.  |
| 267593. | No. 292. | I.S. 3003. | No. 82.           | 'Zengada'.  |
| 267594. | No. 293. | I.S. 3004. | No. 83.           | 'Dogongof'.   |
| 267595. | No. 294. | I.S. 3005. | No. 84.           | 'Dogongof'.   |
| 267596. | No. 295. | I.S. 3006. | No. 85.           | 'Dogongof'.   |
| 267597. | No. 296. | I.S. 3008. | No. 87.           | Ethiopian Selection No. 3.                              |
| 267598. | No. 297. | I.S. 3009. | No. 89.           | Ethiopian Selection No. 2.                              |
| 267599. | No. 298. | I.S. 3010. | No. 91.           | 'Mugra'.  |
| 267600. | No. 299. | I.S. 3011. | No. 92.           | Endosperm white.  |
| 267601. | No. 300. | I.S. 3012. | No. 93.           | Endosperm white.  |
| 267602. | No. 301. | I.S. 3013. | No. 94.           | Endosperm red.  |
| 267603. | No. 302. | I.S. 3014. | No. 95.           | 'Mugra'.  |
| 267604. | No. 303. | I.S. 3015. | No. 97.           |   |
| 267605. | No. 304. | I.S. 3016. | No. 98.           |   |
| 267606. | No. 305. | I.S. 3017. | No. 99.           |   |
| 267607. | No. 306. | I.S. 3018. | No. 102.          | Plants dwarf.   |
| 267608. | No. 307. | I.S. 3019. | No. 104.          | Plants dwarf; peduncle inter-<br>node short.            |
| 267609. | No. 308. | I.S. 3020. | No. 10.           | Tall tillering.   |
| 267610. | No. 309. | I.S. 3021. | No. 108.          |   |
| 267611. | No. 310. | I.S. 3022. | No. 111.          | 'Farmfield Alemaya'.                                    |
| 267612. | No. 311. | I.S. 3023. | No. 112.          | 'Farmfield Alemaya'. Glumes<br>black.                   |
| 267613. | No. 312. | I.S. 3024. | No. 113.          | 'Farmfield Alemaya'.                                    |
| 267614. | No. 313. | I.S. 3025. | No. 116.          | 'Chabeady'.   |
| 267615. | No. 314. | I.S. 3026. | No. 118.          | 'Chabe Dima'.   |
| 267616. | No. 315. | I.S. 3027. | No. 119.          | 'Bsenga Ady'.   |
| 267617. | No. 316. | I.S. 3028. | No. 120.          | 'Bsenga Dima'.  |
| 267618. | No. 317. | I.S. 3029. | No. 122.          |   |
| 267619. | No. 318. | I.S. 3030. | No. 123.          | 'Chabe Ady'.  |
| 267620. | No. 319. | I.S. 3031. | No. 125.          | From Dunbi Dola.  |
| 267621. | No. 321. | I.S. 3033. | F.A.O. No. 176-2. | Elevation 8,000 feet.<br>Glumes black; seed coat white. |



**267230 to 267656—Continued****267334 to 267651—Continued**

267622. No. 322. I.S. 3034. No. 175-3. Elevation 8,000 feet. Grain white; panicle branches long; cluster, popping type.
267623. No. 323. I.S. 3035. 'K2 Sorghum Birdproof'.
267624. No. 325. I.S. 3037. 'Vorstev'.
267625. No. 326. I.S. 3038. A-14A.
267626. No. 327. I.S. 3039. A-14B.
267627. No. 328. I.S. 3040. B-10.
267628. No. 329. I.S. 3041. B-11.
267629. No. 330. I.S. 3042. C-selection 7.
267630. No. 331. I.S. 3043. D-14.
267631. No. 332. I.S. 3044. D-15.
267632. No. 333. I.S. 3045. D-16.
267633. No. 334. I.S. 3046. D-17.
267634. No. 335. I.S. 3047. Ethiopian Selection No. 2.
267635. No. 336. I.S. 3048. Ethiopian Selection No. 3.
267636. No. 337. I.S. 3049. Ethiopian Selection No. 4.
267637. No. 338. I.S. 3050. 'Darso Okla No. 1'.
267638. No. 339. I.S. 3051. 'Darso Okla No. 2'.
267639. No. 340. I.S. 3052. Prolific.
267640. No. 341. I.S. 3053. Prolific.
267641. No. 342. I.S. 3054. Prolific.
267642. No. 343. I.S. 3055. 'Zengada'.
267643. No. 344. I.S. 3056. 'Cullubi'. Dwarf selection.
267644. No. 345. I.S. 3057. Ag. S.M. College selection.
267645. No. 346. I.S. 3058. 'Har-9'.
267646. No. 347. I.S. 3059. 'Marol-3'.
267647. No. 348. I.S. 3060. 'Dongonjof'.
267648. No. 349. I.S. 3061. Very early.
267649. No. 350. I.S. 3062.
267650. No. 351. I.S. 3063.
267651. No. 352. I.S. 3064.

**267652 to 267655. SORGHUM sp. Poaceae.**

267652. No. 108. I.S. 2756.                      267654. No. 110. I.S. 2758.

267653. No. 109. I.S. 2757.                      267655. No. 113. I.S. 2761.

**267656. SORGHUM (hybrid).**

No. 135. I.S. 2783. *S. alnum* × tetraploid *S. vulgare*. From Uganda.

**267657. CITRUS GRANDIS (L.) Osbeck. Rutaceae. Grapefruit.**

From Cuba. Scions presented by J. M. Bosch. Tahiti. Received June 28, 1960. Numbered July 11, 1960.

**267658 and 267659.**

From the Netherlands. Plants presented by the Arboretum, Trompenburg, Rotterdam. Received July 11, 1960.

**267658. IRIS LAEVIGATA Fisch. Iridaceae.**

'Variegata'. Leaves white variegated.

**267658 to 267659—Continued**

**267659.** *QUERCUS CERRIS* L. Fagaceae.

'Argenteo-variegota'. Leaves white variegated.

**267660 to 267664.** *CUCURBITA PEPO* L. Cucurbitaceae.

**Pumpkin.**

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, New York. Numbered July 11, 1960. Received from the University of Connecticut, February 1956.

**267660.** G5130 56-23. 'Green Long No. 1'. Midseason variety; vine of medium vigor; fruits 12 by 5 inches, tapering oblong, dark green netted, orange striped; flesh one inch thick; seeds dark green; embryo naked. Some fruits have dark-orange flesh.

**267661.** G5131 56-24. 'Green Long No. 2'. Midseason variety; vigorous vine; fruit 13 by 5 inches, oblong, with 10 faint ridges, deep orange netted; flesh one inch thick, orange; seeds dark green; embryo naked.

**267662.** 5132 56-25. 'Green Stripe'. Midseason variety; vine of medium vigor; fruits 12 by 5 inches, oblong, smooth, deep orange, green striped; flesh 0.75 inch thick, orange, seeds dark green; embryo naked.

**267663.** 5133 56-26. 'Yellow Oval'. Vigorous prolific vine; earliest fruit semi-globe 9 by 7 inches, smooth, deep orange, netted; flesh one inch thick, yellow or cream; seeds dark green; embryo naked.

**267664.** 5134 56-27. 'Yellow Long'. Midseason variety; vigorous vine; fruit oblong, 11.5 by 5 inches, smooth, deep orange netted; flesh 0.75 inch, yellow or orange; seeds dark green; embryo naked.

**267665.** *HELIANTHUS ANNUUS* L. Asteraceae.

**Sunflower.**

From Uruguay. Seeds presented by the Instituto Fitotecnico y Semillero Nacional, la Estanzuela. Received Sept. 23, 1960.

**267666 and 267667.** *HIBISCUS CANNABINUS* L. Malvaceae.

**Kenaf.**

From France. Seeds presented by the Institut de Recherches du Coton des Textiles Exotiques, Paris. Received Sept. 23, 1960.

Varieties less susceptible than normal to photoperiodic response. May do well in equatorial areas.

**267666.** 'Soudan Precoc'. Early maturing.

**267667.** 'Soudan Tardif'. Late maturing.

**267668.** *SALVIA DOMBEI* Epling Menthaceae.

From Peru. Rooted cuttings presented by Cesar Vargas Cuzco. Received Sept. 26, 1960. Province Llvubamba, Department Cuzco. Elevation 3,140 feet.

**267669 to 267672.** *TRITICUM AESTIVUM* L. Poaceae.

**Common wheat.**

From Ethiopia. Seeds presented by the Bishoftu Experiment Station, Imperial Ethiopian College of Agricultural and Mechanical Arts, Addis Ababa. Received July 11, 1960.

**267669.** 'Gonde'.

**267671.** 'Kenya 5'.

**267670.** 'Kenya 1'.

**267672.** 'Koticha Sinde'.

**267673 to 267681.** *HIBISCUS* sp. Malvaceae.

From the Belgian Congo. Seeds presented by the Institut National pour l'Etude Agronomique du Congo Belge, Gandajika. Received July 13, 1960.

**267673 to 267681—Continued**

- |                |                 |
|----------------|-----------------|
| 267673. No. 2. | 267678. No. 7.  |
| 267674. No. 3. | 267679. No. 8.  |
| 267675. No. 4. | 267680. No. 9.  |
| 267676. No. 5. | 267681. No. 10. |
| 267677. No. 6. |                 |

**267682. ASIMINA TRILOBA (L.) Dunal Annonaceae. Pawpaw.**

From the United States. Seeds from a tree at the Madeira Girl's School, Greenway, Virginia. Received Sept. 21, 1957. Numbered July 13, 1960.

**267683 to 267696.**

From Nigeria. Seeds presented by the Regional Research Station Samaru, Zaria. Received July 13, 1960.

**267683 to 267686. SORGHUM CAUDATUM (Hack), Stapf Poaceae.**

- |                          |                           |
|--------------------------|---------------------------|
| 267683 KA. 24. 'Kaura'.  | 267685. ZA. 81. 'Kaura'.  |
| 267684. KO. 59. 'Kaura'. | 267686. ZA. 110. 'Kaura'. |

**267687 and 267688. SORGHUM GUINEENSE Stapf**

- |                             |
|-----------------------------|
| 267687. BA. 14. 'Farafara'. |
| 267688. KA. 27. 'Farafara'. |

**267689 to 267696. SORGHUM BICOLOR (L.) Moench.**

- |                                 |                                  |
|---------------------------------|----------------------------------|
| 267689. AD. 15. 'Kure Kure'.    | 267693. KO. 5. 'Gamjin'.         |
| 267690. AD. 41. 'Mbayeri'.      | 267694. KO. 61. 'Baragwan Doki'. |
| 267691. AD. 42. 'Umpu'.         | 267695. NG. 90. 'Kuji Gansha'.   |
| 267692. BO. 22. 'Lekkite Dawi'. | 267696. SO. 82. 'Bakin Makeri'.  |

**267697. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From the Netherlands. Plants presented by the Landbouwhogeschool, Laboratorium voor Plantensystematiek en Geografie, Wageningen. Received July 14, 1960.

Collected along secondary road near Vaals, Linburg Province.

**267698 to 267700.**

From Iran. Roots and cuttings collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 14, 1960.

**267693. IRIS sp. Iridaceae.**

Col. No. 151. Moist area 300 km. east of Gorgon, road to Boznurd. Plant in wild, knee height, growing in clump; flowers blue.

**267699. IRIS sp.**

Col. No. 117. Eight km. north of Karaj pass. Elevation 1,825 meters. Plants robust, flowers yellow with greenish markings.

**267700. PRUNUS sp. Amygdalaceae.**

Col. No. 154. Twenty-five km. southwest of Meshed, road to Zorsht. Fruit large, dark red.

**267701 to 267704. ECBALLIUM ELATERIUM (L.) A. Rich. Cucurbitaceae. Squirting-cucumber.**

From Italy. Seeds presented by the Italian Federation of Farmers' Cooperatives, Washington, D.C. Received July 14, 1960.

267701. No. 1. From Instituto Botanica dell Università Catania, Catania, Sicily.



**267701 to 267704—Continued**

267702. No. 2. From Estacao Agronomica Nacional, Sacavem, Portugal.

267703. No. 3. From Giardino Botanico e Coloniale di Palermo, Palermo, Sicily.

267704. No. 4. From Naples (Cocomero asinino).

267705. *DOLICHOS BIFLORUS* L. Fabaceae. **Twinflower dolichos.**  
From India. Seeds purchased from the Bally Seed Stores, West Bengal. Received July 18, 1960.

267706. *MENTHA* sp. Menthaceae.

From Union of South Africa. Seeds presented by J. L. Parkhouse, Wonderhoogte Farm, Utrecht, Natal. Received July 18, 1960.

'Zulu mint'. A sweet-scented highly aromatic mint used by the natives as perfume.

267707. *HIBISCUS MUTABALIS* L. Malvaceae. **Cotton rosemallow.**

From China. Seeds presented by the Fiber Crops Experiment Station, Agricultural Research Institute, Taiwan. Received July 18, 1960.

**267708 to 267710.**

From Hong Kong. Seeds presented by the Gardens Division, Urban Services Department, Victoria. Received July 18, 1960.

267708. *PREMNA INTEGRIFOLIA* Linn. Verbenaceae.

'Obtusifolia'.

267709. *VITEX NEGUNDO* L. Verbenaceae.

267710. *VITEX PARVIFLORA* Juss.

**Chaste-tree.**

267711. *PRUNUS* (hybrid). Amygdalaceae.

From Argentina. Budsticks presented by Los Alamos de Rosauer, Sociedad Anonima, Cipotelli Nequen. Received July 19, 1960.

267712 and 267713. *CITRUS SINENSIS* (L.) Osbeck Rutaceae.

**Orange.**

From Morocco. Seeds presented by the Institut Francais de Recherches Fruitieres, Rabat. Received July 19, 1960.

267712. 'Florida'. Seedy. Ref. E 54, Marrakech.

267713. 'Petite Jaffa'. Ref. E 51, Marrakech.

**267714 to 267718.**

From Nigeria. Seeds presented by the Regional Research Station, Samaru. Zaria. Received July 19, 1960.

267714 and 267715. *SORGHUM CAUDATUM* (Hack.) Stapf Poaceae.

267714. BA. 22. 'Dawa Kaura'.

267715. BO. 6. 'Kaura'.

267716 and 267718. *SORGHUM BICOLOR* (L.) Moench.

267716. BO. 2. 'Jarma'.

267717. BO. 10. 'Jarma'.

267718. ZA. 73. 'Zauna Inuwa'.

**267719 and 267720.**

From Peru. Seeds presented by Glenn Viehmeyer, North Platte, Nebraska. Seeds collected at 12,000 feet elevation, Cuzco. Received July 19, 1960.

**267719 and 267720—Continued****267719.** *HORDEUM VULGARE* L. Poaceae.**Barley.**

Naked barley.

**267720.** *TRITICUM AESTIVUM* L. Poaceae.**Common wheat.**

Hard and soft wheat.

**267721 to 267767.**

From the United States. Plants growing at the Regional Plant Introduction Station, Geneva, New York. Sources of seeds, and dates received, as shown. Numbered July 20, 1960.

**267721 and 267722.** *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae.**Cauliflower.**

**267721.** G2566. 'Dias'. Collected in Brazil, June 1957. Plants erect, vigorous, branched; leaves dark green, among buds; buds larger than U.S. varieties; flowers yellow; heads green, 4 by 3 inches. Resistant to black rot caused by *Xanthomonas campestris*.

**267722.** 'Nan.' From Milano, Italy, May 1956. Plants erect, vigorous, to 22 inches high and 30 inches wide; heads tan, to 5 by 8 inches. Free from mosaic and downy mildew.

**267723 to 267725.** *BRASSICA OLERACEA* var. *BOTRYTIS* L.**Cauliflower.**

**267723.** G2567. 'Early Banaras'. Plants erect, poor vigor, heads October 8, tan, 3 by 3 inches. Free from downy mildew and cabbage worm injury.

**267724.** G2568. 'Campinas'. Plants erect, vigorous, large, leafy; curds Aug. 20, 5 by 8 inches, tan. Free from downy mildew and worm injury. Susceptible to aphids.

**267725.** G2569. 'Piracicaba No. 1'. ('Burpeana' × local variety) F<sub>2</sub>. Plants erect, medium vigor, early maturing; curds produced 50-60 days after field setting. Heat resistant and early. From India.

**267726.** *BRASSICA RAPA* L.**Turnip.**

G2221. From Kyoto, Japan, April 1957. 'Scarlet Ball'. Plants vigorous, not uniform; leaves rough with dentate margin; roots 2 by 1.5 inches, red, globose. Susceptible to downy mildew; possible resistant to root maggot.

**267727 to 267740.** *CAPSICUM FRUTESCENS* L. Solanaceae.**Redpepper.**

**267727.** G2101. 'Secord Red Chili'. From Guaca, Guatemala, March 1957. Plants erect, vigorous, branched, midseason variety; flowers purple; fruit red, tapering to a pinched point, 2 by 3 inches.

**267728.** G2102. 'Guaca Chili Red'. From Indian village near Guaca, Guatemala, March 1957. Plants almost prostrate, medium vigor, branched, early maturing; leaves small; flowers white; fruit red, elongate, curved, 3 by 3.75 inches, pungent and prolific.

**267729.** G2103. 'Hot Tree Pepper'. From Guatemala, March 1957. Plants medium erect, vigorously, branched, late maturing; leaves small; fruit red, elongate, curved, tapering, 3 by 1 inches, glossy, pungent.

**266730.** G5376. 'Black Cuban Cluster'. From Cuba, June 1956. Plants vigorous, to 46 inches high, late maturing; leaves mottled green and black; fruit scarlet to black, to 10 per cluster, blunt taper; 0.33 by 0.33 inch, pungent.

**267731.** G5377. 'Cuban Chili'. From Cuba, June 1956. Plants vigorous, purplish green, to 38 inches high; leaves small, pointed, ovate, purplish tinged; fruit violet red, small, upright, conical, pungent.

## 267721 to 267767—Continued

## 267727 to 267740—Continued

267732. G6716. 'Puerto Rico Wonder'. From the Agricultural Experiment Station, Rio Piedras, November 1957. Plants medium erect, medium vigor, early maturing; leaves medium size; flowers white; fruit red, bell shaped, sweet.
267733. G7030. 'Large Black Sweet'. From Sonora, Mexico, February 1958. Plants medium erect, vigorous, late maturing; leaves medium size; flowers white; fruit dark green, tapering, 4 by 1 inches.
267734. G7031. 'Long Red Hot'. From Sonora, Mexico, February 1958. Plants prostrate, vigorous, late maturing; leaves small; flowers white; fruit red, erect, elongate, 4 by 0.5 inches, pungent, good quality.
267735. G7032. 'Black Mexican'. From Sonora, Mexico, February 1958. Plants vigorous, to 24 inches high, late maturing; flowers large greenish white; fruit dark green, turning black, tapering; 1.5 by 6.5 inches. Plants break easily under own weight. Grown for flowers; odor of dried prunes.
267736. G8319. 'Chili Graeca Mammoth Sweet'. From Guatemala City, December 1958. Plants erect, vigorous, midseason variety; leaves medium size; flowers white; fruit red, tapering, sweet and mild, 4 by 2 inches.
267737. G8320. 'Large Yellow Sweet'. From Guatemala City, December 1958. Plants medium erect, medium vigor, early maturing; leaves small, dark; flowers white; fruit orange yellow, bell shaped, sweet, three lobed, 3 by 2 inches.
267738. G8321. 'Large Red Sweet'. From Guatemala City, December 1958. Plants erect, vigorous, branched, midseason variety; leaves small; flowers white; fruit red, conical with mild, sweet taste, 3.5 by 1.75 inches.
267739. G8325. 'Agrunaldo de Asti'. From Guatemala City, December 1958. Plant to 18 inches high and 28 inches wide, to fifteen branches per plant; leaves small, green, pointed; flowers white; fruit purple to orange, tapering, to 30 fruits per plant, 2 by 0.5 inches.
267740. G5375. 'Violet Pepper'. From Pensacola, Florida, June 1956. Plants very tall with few branches, violet to deep purple, including leaves and stems; leaves blunt oval; flowers purple, erect, conical; fruits purple to yellowish red, 1.5 by 0.8 inches.

## 267741 to 267747. CUCUMIS SATIVUS L. Cucurbitaceae.

Cucumber.

267741. G2215. 'Nagaoka Longfellow'. From Kyoto, Japan, April 1957. Plants vigorous, early maturing, very prolific; fruit yellowish green, stippled, elongate, smooth, curved, 16 by 15 inches; spines white.
267742. G2557. '57C-270 Hong Kong N.T.'. From Hong Kong, June 1957. Plants medium vigor, early maturing; fruit pale green, elongate, smooth, almost straight, 13 by 3.3 inches; spines white. Free from mosaic in a severe epidemic.
267743. G2558. '57C-271 Chinese Cucumber'. From Hong Kong, June 1957. Plants vigorous, early maturing; poor fruit set; fruit pale green or orange, smooth, 9.5 by 2.5 inches; spines black. Very slight mosaic in a severe epidemic.
267744. G2564. 'Cornell Chinese Long'. An inbred line from Cornell University. Plants vigorous, midseason variety; fruit pale green to orange, elongate, smooth 10.5 by 1.5 inches; spines white. Free from mosaic in severe epidemic.



## 267721 to 267767—Continued

## 267741 to 267747—Continued

267745. G2565. 'Pepino-Verde Paulistano'. From Instituto Agronomico, Campinas, Sao Paulo, Brazil, June 1957. Plants vigorous, mid-season variety, medium fruit set; fruit dark green, white bands of stippling on sides, oblong, smooth, 10 by 2.5 inches. Free from mosaic in a severe epidemic.

267746. G6720B. From India. A pistillate line selected from P.I. 164816, November 1957. Plants medium vigor, early maturing; fruit orange, oval smooth, 5.3 by 2 inches; spines black.

267747. G8750. 'Alko Bush Cuc'. From Oklahoma. Plants poor vigor, midseason variety, determinate; fruit yellow, smooth, tapering, oblong, 7.5 by 2.3 inches; spines white. Pistillate line with many flowers.

## 267748. CUCURBITA FICIFOLIA Bouche Cucurbitaceae. Alcallota.

G6098. 'Pipian'. From El Salvador, December 1956. Plants medium vigor; leaf 8 by 9 inches; fruit long, oval, pear shaped, white striped, solid; flesh dry, sweet; seed cavity small.

## 267749 and 267750. CUCURBITA MAXIMA Duchesne Squash.

267749. G2217. 'Turks Cap Pumpkin'. From Cornwall, England, April 1957. Plants medium vigor, early maturing; fruit reddish orange, rough, 6 by 9 inches, convex swelling at blossom end.

267750. G8752. 'Candy Roaster'. From Geary, Oklahoma, March 1959. Grown for over 100 years in North Carolina mountains. Plants vigorous, early maturing; leaf large; fruit slate gray, oblong, smooth, 20 by 9 inches. Susceptible to powdery mildew.

## 267751 to 267754. CUCURBITA MOSCHATA Duschesne Cushaw.

267751. G2218. 'Chiba White'. From Kyoto, Japan, April 1957. Plants vigorous, late maturing; leaf large, 11 by 12 inches, 7-pointed; fruit flat, warty, with waxy bloom, 6 by 9 inches.

267752. G8753. 'Miniature F<sub>5</sub> Cushaw'. From Oklahoma, March 1959. Plants medium vigor, midseason variety leaf small; fruit 14 inches long with 6-inch bulb and 4-inch neck; light green, long, slender, smooth, curved neck; flesh orange; seed brown.

267753. G8754. 'North Carolina Pumpkin'. From Oklahoma, March 1959. Plants vigorous, midseason variety; fruit 22 inches long with 10-inch bulk and 8-inch neck, 10-20 grooves, tan netted, green, waxy; flesh 3 inches thick, orange. Three large fruits per plant, often weighing over 100 pounds.

267754. G8785. 'Giant Spanish'. From Geneva, New York; from Italy, March 1959. Plants vigorous, midseason variety; fruit 30 inches long with 17-inch bulb, and 11-inch stem end; 10 long, deep grooves, 10 slight grooves between; seeds silvery gray, rough tan margin. Largest fruits recorded at Geneva.

## 267755 to 267759. CUCURBITA PEPO L. Pumpkin.

267755. G2216. 'Vegetable Marrow', table variety. From Cornwall, England, April 1957. Plants runners, vigorous, early maturing; fruit dark green, striped orange, smooth, oblong, 11 by 5 inches, four per plant. Susceptible to mosaic and powdery mildew.

267756. G3080B. 'Dolma'. From Turkey, September 1955. Plants vigorous, midseason variety, much branched; vines to 20 feet long; fruit deep tan, bowling pin or pear shaped; rind hard; good keeper, excellent quality.

267757. G5374. 'Buff Pie'. From Iowa, June 1958. Plants vigorous, early maturing; fruit deep orange, 7 by 8.5 inches, globe, 20 faint grooves, 10 per plant. Prized for pie filling.

## 267721 to 267767—Continued

## 267755 to 267759—Continued

267758. G8908. 'Saki Kabagi'. From Istanbul, Turkey, April 1959. Plants vigorous, early maturing; half-runner; leaves 15-pointed; fruit cream colored, 12-ridged, 14 by 4 inches; flesh deep. Some resistance to powdery mildew.

267759. G8909. 'Murdurlugu'. From Istanbul, Turkey, April 1959. Plants vigorous, bush type, early maturing; fruit cream orange, oblong, 10-ridged, 18 by 4 inches; flesh deep; seed cavity small. Susceptible to powdery mildew.

267760. *BENINCASA HISPIDA* (Thunb.) Cogn. Cucurbitaceae. Waxgourd.

G2559. 'Chinese Winter', or 'Hairy Squash'. From China, June 1957. Plant medium vigor, runner, early maturing; leaves 6 by 7 inches, 7-pointed; fruit white globe, 12 by 11 inches. Very susceptible to squash bug.

267761. *JUGLANS REGIA* L. Juglandaceae. Persian walnut.

G8743. From a tree near Buffalo, New York, March 1959. Tree erect, vigorous, much branched, very hardy; survived winters with temperature to  $-25^{\circ}$  F. without serious injury.

267762. *PHASEOLUS VULGARIS* L. Fabaceae. Common bean.

'Bean of Tomorrow'. G5350. From Fulton, New York, November 1959. Plants medium vigor, early bush variety, marrow type F<sub>2</sub> hybrid; flowers white; pod 6 by 0.4 inches straight, green, round, easily shattered; seed white, black ring around hilum, kidney shaped.

267763. *PHASEOLUS* (hybrid). Fabaceae. Bean.

G7446. 'Beka'  $\times$  'Aztec F<sub>4</sub>'. From Durham, New York. Plants vigorous, bush type; flowers white to purple; pods 6 by 0.4 inches yellow green, easily shattered.

267764. *RIBES RUSTICUM* Jancz. Grossulariaceae.

G5617. 'Red Jacket' open pollinated. From Storrs, Connecticut, August 1956. Plants erect, vigorous, to 13 inches high and 24 inches wide, leafy. Tolerant of or resistant to anthracnose caused by *Pseudopeziza ribes*. Standard varieties completely defoliated; 75 percent produce green fruit; 25 percent produce red fruit.

267765 and 267766. *SOLANUM MELONGENA* L. Solanaceae. Eggplant.

267765. G7487. 'Ottawa 55G-184-1'. From the Central Experimental Farm, Ottawa, Canada, May 1958. Plants medium vigor, early maturing; leaves small; flowers purple; fruit purple, egg shaped, 7.75 by 7.25 inches.

267766. G7488. 'Ottawa 55G-149-1'. From the Central Experimental Farm, Ottawa, Canada, May 1958. Plants medium vigor, early maturing; leaves small; flowers purple; fruit purple, egg shaped, 7.75 by 7.25 inches.

267767. *SOLANUM* (hybrid). Solanaceae.

G8817. Interspecies cross. From New Jersey Agricultural Experiment Station, March 1959. Plants erect, medium vigor; late maturing; stems green; leaves small; flowers pale purple; fruit deep purple, egg shaped, 5.25 by 4 inches.

267768. *ULMUS* sp. Ulmaceae.

From Afghanistan. Budsticks collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 21, 1960.

Round-topped elm from Ambassador's residence. Kabul. A magnificent tree, the best in Kabul.

- 267769. ECBALLIUM ELATERIUM (L.) A. Rich. Cucurbitaceae. Squirting-cucumber.**  
From Portugal. Seeds presented by the University of Lisbon, Lisbon. Received July 22, 1960.
- 267770. ECBALLIUM ELATERIUM (L.) A. Rich. Cucurbitaceae. Squirting-cucumber.**  
From Italy. Seeds presented by the Italian Federation of Farmers' Cooperatives, Washington, D.C. Received July 22, 1960.  
From the Botanical Garden, University of Pisa. Reportedly from a line that has been observed for many years.
- 267771 to 267774. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**  
From Surinam. Seeds presented by the Experiment Station, Paramaribo. Received July 22, 1960.  
Sixth generation, X-rayed 'Matjan' varieties, having a 95-105 day growing period. Pods, 2-seeded, better filled than 'Schwarz 21', one of its parents. Reportedly resistant to bacterial slime disease in India, but not resistant nor very susceptible to *Cercospora* in Surinam.
- 267771. 'Matjan'. Certified seed. 267773. 'Matjan 2500 R/13'.**  
**267772. 'Matjan 1000 R/18'. 267774. 'Matjan 5000 R/45'.**
- 267775 and 267776.**  
From Afghanistan. Stolons collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 23, 1960.
- 267775. CYNODON DACTYLON (L.) Pers. Poaceae. Bermudagrass.**  
Col. No. 318. In front of the ICA guest house, Kandahar. July 16, 1960. A very vigorous bermudagrass.
- 267776. CYNODON sp. Poaceae.**  
Col. No. 319. In front of the ICA guest house, Kandahar. July 16, 1960. A very coarse, vigorous, bluish, bermudagrass, without apparent rhizomes.
- 267777. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.**  
From the Sudan. Seeds presented by the United States Operations Mission, Khartoum. Received July 25, 1960.
- 267778. HIBISCUS SABDARIFFA L. Malvaceae. Roselle.**  
From the Sudan. Seeds presented by the Sudan Ministry of Agriculture, Mechanized Pilot Scheme, El Obeid, Kordofan Province. Received July 25, 1960.  
'Thai Red'. Plants to five feet high in infertile sandy soil under poor rainfall conditions.
- 267779. SCHIZOSTYLIS COCCINEA Backh. & Harv. Iridaceae.**  
From the Union of South Africa. Corms purchased from the Bloem Erf Nurseries, Stellenbosch. Received July 26, 1960.
- 267780 and 267781. SACCHARUM (hybrids). Poaceae. Sugarcane.**  
From Argentina. Cuttings presented by the Division of Plant Exploration and Introduction, Buenos Aires. Received July 27, 1960.
- 267780. 'Estacion Palmira Colombia 33578'.**  
**267781. 'Tucumana 2683'.**



**267782. CITROPSIS LATIALATA (Wildem.) Swingle & Kellerman**  
**Rutaceae.**

From the Belgian Congo. Seeds and fruits presented by the Jardin d'Essai d'Eala, Eala. Received July 27, 1960.

**267783. SACCHARUM (hybrid). Poaceae. Sugarcane.**

From Australia. Cuttings presented by the Northern Sugar Experiment Station, Gordonvale. Received July 28, 1960.

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**267784. GLADIOLUS sp. Iridaceae.**

From Ethiopia. Corms presented by the Imperial College of Agriculture, Addis Ababa. Received August 1, 1960.

Wild.

**267785. ALLIUM sp. Liliaceae.**

From India. Bulbs presented by the Balwant Rajput College, District Agra, United Provinces. Received August 2, 1960.

**267786 to 267790. SACCHARUM (hybrids). Poaceae. Sugarcane.**

From Mexico. Cuttings presented by the Instituto Para el Mejoramiento de la Produccion de Azucar, Balderas. Received August 2, 1960.

267786. 'Criolla Rayada'.

267789. 'Mexico 52-29'.

267787. 'Mexico 52-17'.

267790. 'Mexico 54-245'.

267788. 'Mexico 52-27'.

**267791 and 267792. ACTINIDIA CHINENSIS Planch. Dilleniaceae.**  
**Yang tao.**

From New Zealand. Plants presented by R. E. Harrison and Company, Limited, Palmerston North. Received August 3, 1960.

267791. Male.

267792. Female.

**267793. TRIFOLIUM REPENS L. Fabaceae.**

From Australia. Seeds presented by the Department of Conservation, Sydney. Received August 8, 1960.

**267794 and 267795. ALOPECURUS PRATENSIS L. Poaceae.**  
**Meadow foxtail.**

From Hungary. Seeds presented by the Hortus Botanicus Universitate, Szeged. Received August 8, 1960.

Collected from the wild.

267794. No. 1. From Kubekhaze.

267795. No. 2. From Szeged.

**267796 and 267797.**

From Iran. Bulblets presented by the Pan-American International Oil Company, Teheran. Received August 8, 1960.

267796. ALLIUM sp. Liliaceae.

Sandy shore, Caspian Sea, east of Nowshahr. June 1960.

267797. ALLIUM sp.

Mountains north of Teheran. Elevation 1,800 meters. May 1960.

**267798. IRIS sp. Iridaceae.**

From Pakistan. Bulbs collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Aug. 9, 1960.

Col. No. 383. Wet meadow in canyon, 23 km. west of Barmian. July 23, 1960. Flowers probably pale blue; rhizomes from three different clumps.

**267799 to 267814. RICINUS COMMUNIS L. Euphorbiaceae.****Castorbean.**

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received Aug. 9, 1960.

267799. 'Espirito Santo No. 4.'. I-24138. From the State of Espirito Santo. Plants medium high; stems green; fruits dehiscent; seeds small. Resistant to insect pests.

267800. 'Espirito Santo No. 5.'. I-24139. From the State of Espirito Santo. Plants medium high; stems purple; fruits dehiscent; seeds small. Resistant to insect pests.

267801. Var. 382. G K No. 1. I-17624. From France. Plants medium high, productive; fruits indehiscent. Resistant to insect pests.

267802. Var. 455. Hybrid IAC-38 × Var. 406. I-25179. From the State of Sao Paulo. Plants dwarf; fruits semidehiscent. Resistant to insect pests.

267803. I X-38. Plants dwarf. The main variety in the State of Sao Paulo.

267804. 'Ibira'. Var. 451. I-25175. From the State of Sao Paulo.

267805. 'Joanopolis'. Var. 454. I-25178. From the State of Sao Paulo. Plants tall, fruit clusters large; seeds white, speckled brown, large.

267806. 'Preta' Var. 453. I-25177. From the State of Sao Paulo. Seeds black, large.

267807. 'Serrana'. Var. 448. I-23502. From the State of Rio Grande do Norte. Seeds brown, not mottled, large.

267808. 'Sete Canadas Rajadas'. Var. 452. I-25176. From the State of Pernambuco.

267809. 'Vermelha'. Var. 460. I-25184. From the State of Sao Paulo. Plants medium high, productive; stems, leaves and fruits red; seeds small. Resistant to insect pests. Also an ornamental.

267810. 'Viradouro'. Var. 450. I-25174. From the State of Sao Paulo.

267811. Var. 456. I-25180. From the State of Sao Paulo. Plants tall; stems purple; fruits indehiscent, in large clusters; seeds reddish brown, large.

267812. Var. 457. I-25181. From the State of Sao Paulo. Plants tall; stems red; fruits indehiscent.

267813. Var. 458. I-25182. From the State of Sao Paulo. Plants tall; stems purple; fruits dehiscent; seeds small.

267814. Var. 459. I-25183. From the State of Sao Paulo. Plants medium high, stems green; fruit clusters many; seeds small.

**267815 to 267821.**

From New Zealand. Seeds presented by the Department of Scientific and Industrial Research, Christchurch. Received Aug. 10, 1960.

267815. HYMENANTHERA DENTATA var. ALPINA Kirk. Violaceae.

267816. HYMENANTHERA DENTATA var. ANGUSTIFOLIA (R.Br.) Benth.

## 267815 to 267821—Continued

267817. *OLEARIA COLENSOI* Hook. f. Asteraceae.267818. *OLEARIA ILICIFOLIA* Hook. f.267819. *PITTOSPORUM CRASSIFOLIUM* Soland. ex Putterl. Pittosporaceae. **Karo.**267820. *PITTOSPORUM TENUIFOLIUM* Gaertn. **Tawhiwhi.**267821. *RANUNCULUS LYALII* Hook. f. Ranunculaceae.267822. *MALUS SYLVESTRIS* Mill. Malaceae. **Apple.**

From Israel. Budsticks presented by the Department of Pomology and Viti-  
culture, Agricultural Research Station, Rehovot. Received Aug. 12,  
1960.

‘Vered’.

267823. *PINUS PUMILA* (Pallas) Regel Pinaceae.

From Japan. Plants growing at the Plant Introduction Station, Glenn Dale,  
Md. Seeds collected on Mt. Iwo Kuwayu Spa, Japan. Numbered Aug.  
15, 1960.

B-51799. Five-needle pine; branches prostrate.

267824 and 267825. *ILEX* (hybrids). Aquifoliaceae. **Holly.**

From the United States. Plants growing at the National Arboretum, Wash-  
ington, D.C. Numbered August 15, 1960.

267824. ‘Lydia Morris’ (B-52393). (*I. cornuta* ‘Burfordi’ × *I. pernyi*).  
Pistillate hybrid; plants narrowly pyramidal to about six feet high;  
leaves lustrous, intermediate; berries large, red on short pedicels.

267825. ‘John T. Morris’ (B-52394). (*I. cornuta* ‘Burfordi’ × *I. pernyi*).  
Staminate hybrid with leaves and growth habit similar to ‘Lydia Mor-  
ris’, a sister seedling.

## 267826 to 267841.

From Great Britain. Plants presented by the Royal Botanic Garden, Kew,  
Richmond, Surrey, England. Numbered August 15, 1960.

267826 to 267831. *ILEX AQUIFOLIUM* L. Aquifoliaceae. **English holly.**

267826. ‘Aurea Medio-Picta’. 267829. ‘Lichtenthali’.

267827. ‘Latispina’. 267830. ‘Purpureus’.

267828. ‘Laurifolia’. Staminate. 267831. ‘Watereriana Compacta’.

267832. *ILEX WILSONII* Loes.267833 to 267835. *ILEX* × *ALTA CLARENSIS* Dallim.

267833. No data.

267834. ‘Hendersonii’.

267835. ‘Nobilis’.

267836. *ILEX* sp.267837. *ILEX* sp.267838. *ILEX* sp.267839. *ILEX* sp.267840. *ILEX* sp.

Species No. 324.

267841. *ILEX* sp.

Species No. 387 (Wilson No. 1822).



## 267842 to 267859.

From the United States. Plants collected from natural stands and now established at the University of Maine Agricultural Experiment Station, Orono, Maine. Numbered August 16, 1960.

Collected in Maine unless otherwise noted. Grade scale; 10 best, 1 poorest.

267842 to 267857. *VACCINIUM CORYMBOSUM* L. Vacciniaceae.

## Highbush blueberry.

267842. No. 4. One hundred feet west of old sawdust pile, Frank Pierce farm, East Lebanon, Aug. 1959. Bush 6 feet high; berry color 9, flavor 6, scar 8, more than 150 per cup; 30 percent of crop carried high. No witches'-broom present.

267843. No. 5. In slash area back of house, Frank Pierce farm. August 1959. Bush to 8 feet high, shows some winter injury, making vigorous new growth; berries larger than average; good crop borne high; berry color 6, flavor 7; scar 7; 25 percent of crop ripe. No witches'-broom present.

267844. No. 6. In slash area, Frank Pierce farm, August 1959. Bush to 9 feet high; shows some winter injury; good crop of berries borne high; clusters loose; berry color 7, flavor 5, scar 7. No witches'-broom present.

267845. No. 7. In slash area, Frank Pierce farm. August 1959. Spreading bush to 6 feet high; berries good size, more than 100 per cup, color 7, flavor 7, scar 7; 50 percent of crop ripe. No witches'-broom present.

267846. No. 8. Roadside, near boggy pasture, two miles from East Lebanon, Milton Mills Road, Aug. 12, 1959. Bush upright, well branched, 6 feet high, poor terminal growth, hardier than nearby plants, trace of winter injury, only plant present bearing fruit; berries small, 200 per cup, skin tough, color 7, flavor 5, scar 6, firmness 7.

267847. No. 9. Three hundred yards southwest of fire tower, Mt. Pisgah, Monmouth. August 1959. Bush to 3 feet high, showed no winter injury and had made good new growth; berries small, borne in loose cluster, 200 per cup, color 6, flavor 4, scar 5; 25 percent of crop ripe.

267848. No. 10. Two hundred yards south of fire tower, east side of trail, Mount Pisgah, Monmouth. August 1959. Bush to 6 feet high, shows no winter injury, excellent new growth; foliage free from leaf spot; berries small, more than 200 per cup, color 6, flavor 5, scar 6.

267849. No. 11. One hundred yards south of fire tower among birch and pine trees, Mount Pisgah, Monmouth. August 1959. Bush 3.5 feet high, no winter injury; berries small, more than 200 per cup, color 7, flavor sweet, scar 8; 25 percent of crop ripe, unevenly distributed.

267850. No. 12. One hundred-fifty yards south of fire tower, edge of draw, Mount Pisgah. August 1959. Bush 7 feet high, no winter injury; well branched, vigorous new growth; foliage clean; berries small, 200 per cup, color 6, flavor 6, scar 6. Matures early.

267851. No. 13. One hundred yards from end of road, Yoder farm, Montville. August 1959. Bush spreading, 6 feet high; foliage excellent, slight winter injury at tips; berries small, more than 200 per cup, color 6, flavor 5, scar 8; clusters loose, borne high, full crop on some branches; mid-season ripening. Some small, old, witches'-broom present.

267852. No. 16. Northern exposure, first cove beyond cabin, eastside of Eagle Lake, Civilian Conservation Corp road, Hancock County. August 1959. Bush vigorous, to 7 feet high, extensive winter injury; berries small, over 200 per cup, color 2, flavor 5, scar 2; borne in loose clusters, unevenly ripening, some branches 100 percent ripe; separation poor. No witches'-broom present.

## 267842 to 267859—Continued

## 267842 to 267857—Continued

267853. No. 17. Sheltered area, second cove, east side of Eagle Lake, C.C.C. road, Hancock County. August 1959. Bush spreading to 7 feet high, many trunks, some winter injury; berries small, 200 per cup, color 7, flavor 6, scar 9; berries growing high, sparse but well distributed, 50 percent of crop being mature. No witches'-broom present.

267854. No. 18. Near third cove, deep in woods, east side of Eagle Lake, C.C.C. road, Hancock County. August 1959. Bush 7 feet high, young, crowded; branches sparse, some winter injury; berries small, more than 200 per cup, color 6, flavor 7, scar 7; 50 percent of crop ripe and on upper branches. No witches'-broom present.

267855. No. 24. Southeast corner cove, inner edge of bog, Eagle Lake C.C.C. road, Hancock County. August 1959. Bush old, 7 feet high, good old- and new-growth vigor, very little winter injury; no fruit crop. Not infected with witches'-broom while growing in severely infected area.

267856. No. 25. Thirty feet from shore, south end of sheltered sphagnum bog, Upper Cranberry Lake, Washington County. August 1959. Bush 4 feet high and 5 feet wide, much winter injury; berry color 7, flavor 6, scar 10; late ripening. No witches'-broom.

267857. No. 30. Open space surrounded by pine, spruce and birch trees, in a fern floor cover, 100 yards from the forestry camp, Fifth Lake, Machias River. August 1959. Bush old, 7 feet high, 10 feet wide, many trunks, 1 to 1.5 inches in diameter; leaf spot and some winter injury present; best fruiting plant in area; berries ripening unevenly; 25 percent in top. No witches'-broom noted on bush although widespread.

267858. *VACCINIUM MYRTILLOIDES* Michx.

No. 2. Semi-sheltered spot on ledge carpet near Black Cap, west slope of Hurricane Mountain, Chatham, New Hampshire. August 1959. Bush especially vigorous, considered quarter-high; berries few.

267859. *VACCINIUM* (hybrid).

Blueberry.

(*V. corymbosum* × *V. lamareckii*)

No. 1, Grassy crevice, ledge of exposed slope, Hurricane Mountain, Chatham, New Hampshire. August 1959. Plants to 30 inches high; berries few, small.

267860 and 267861. *PISUM SATIVUM* L. Fabaceae.

From the Netherlands. Seeds presented by the Institute of Horticultural Plant Breeding, Wageningen. Received August 17, 1960.

267860. 60321. 'Rondo C.B.'. Seeds smooth.

267861. 60322. 'Rondo. C.B. 51-129'. Seeds wrinkled.

267862. *CUCUMIS MELO* var. *RETICULATUS* Naud. Cucurbitaceae.  
Netted melon.

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, New York. Numbered August 17, 1960.

'Bucharici' (Pang) Fil K 1219.

From the Department of Agriculture, Moscow, U.S.S.R.

267863. *PYRUS* (hybrid). Malaceae.

From Poland. Budsticks presented by the Research Institute of Pomology, Skierniewice. Received August 18, 1960.

'Pingo-Li'.

**267864 to 267925. SACCHARUM (hybrids). Poaceae. Sugarcane.**

From Puerto Rico. Cuttings presented by the Agricultural Experiment Station, Rio Piedras. Numbered August 19, 1960.

267864. No. P.R. 1007.	267895. No. P.R. 1067.
267865. No. P.R. 1016.	267896. No. P.R. 1068.
267866. No. P.R. 1020.	267897. No. P.R. 1069.
267867. No. P.R. 1036.	267898. No. P.R. 1070.
267868. No. P.R. 1037.	267899. No. P.R. 1071.
267869. No. P.R. 1039.	267900. No. P.R. 1072.
267870. No. P.R. 1040.	267901. No. P.R. 1073.
267871. No. P.R. 1041.	267902. No. P.R. 1074.
267872. No. P.R. 1042.	267903. No. P.R. 1076.
267873. No. P.R. 1043.	267904. No. P.R. 1077.
267874. No. P.R. 1044.	267905. No. P.R. 1078.
267875. No. P.R. 1045.	267906. No. P.R. 1079.
267876. No. P.R. 1046.	267907. No. P.R. 1080.
267877. No. P.R. 1047.	267908. No. P.R. 1081.
267878. No. P.R. 1049.	267909. No. P.R. 1082.
267879. No. P.R. 1050.	267910. No. P.R. 1083.
267880. No. P.R. 1051.	267911. No. P.R. 1084.
267881. No. P.R. 1053.	267912. No. P.R. 1085.
267882. No. P.R. 1054.	267913. No. P.R. 1086.
267883. No. P.R. 1055.	267914. No. P.R. 1087.
267884. No. P.R. 1056.	267915. No. P.R. 1088.
267885. No. P.R. 1057.	267916. No. P.R. 1091.
267886. No. P.R. 1058.	267917. No. P.R. 1092.
267887. No. P.R. 1059.	267918. No. P.R. 1093.
267888. No. P.R. 1060.	267919. No. P.R. 1094.
267889. No. P.R. 1061.	267920. No. P.R. 1095.
267890. No. P.R. 1062.	267921. No. P.R. 1096.
267891. No. P.R. 1063.	267922. No. P.R. 1097.
267892. No. P.R. 1064.	267923. No. P.R. 1101.
267893. No. P.R. 1065.	267924. No. P.R. 1102.
267894. No. P.R. 1066.	267925. No. S. 56-383.

**267926 to 267930.**

From Great Britain. Plants presented by the Royal Botanic Garden, Kew, England. Received August 23, 1960.

267926. CLERODENDRUM NUTANS Wall. Verbenaceae.
267927. SELAGINELLA ATROVIRIDES Spring Selaginellaceae.
267928. SELAGINELLA GRANDIS Moore
267929. SELAGINELLA ORNITHOPODIODES (L.) Spring
267930. SELAGINELLA WALLICHII (Hook. ex Grev.) Spring

**267931 to 267934.**

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered August 24, 1960.



**267931 to 267934—Continued**

- 267931.** *MEDICAGO POLYMORPHA* var. *VULGARIS* (Benth.) Shinnars **Faba-Medic.**

Selection from P.I. 250935, from Iran.

- 267932.** *MEDICAGO SATIVA* L.

**Alfalfa**

Selection from P.I. 218115, from Pakistan.

- 267933.** *MEDICAGO TORNATA* Mill. **Fabaceae.**

**Medic.**

Selection from P.I. 250935, from Iran.

- 267934.** *TRIGONELLA NOEANA* Boiss. **Fabaceae.**

Selection from P.I. 227395, from Iran.

- 267935.** *CUCUMIS SATIVUS* L. **Cucurbitaceae.**

**Cucumber.**

From Japan. Seeds presented by the College of Agriculture, University of Osaka Pref., Sakai. Received August 24, 1960.

'Tsuda-Sanjaku'. Tsuda Province. Old variety, spring type. Seedlings thrive at 62° F., a temperature favorable to pistillate flower formation. Plants not vigorous; leaves large; fruit to 35 cm. long; spines black, immature fruit bitter; anthracnose resistant.

- 267936 and 267937.** *RICINUS COMMUNIS* L. **Euphorbiaceae.**

**Castorbean.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received August 24, 1960.

- 267936.** No. 2183. Bulk seed.

- 267937.** No. 2183. Self seed.

- 267938.** *ALOPECURUS PRATENSIS* L. **Poaceae.** **Meadow foxtail.**

From the Netherlands. Seeds presented by the Institut voor Systematische Plantkunde Rijksuniversiteit, Utrecht. Received August 24, 1960.

- 267939.** *MALUS SYLVESTRIS* Mill. **Malaceae.**

**Apple.**

From Canada. Budsticks presented by the Department of Agricultural Genetics and Plant Breeding Research Institute, Ottawa. Received August 29, 1960.

'Ananas Berzenicki'. From Poland. Tree hardy, vigorous, long lived; bark smooth; branches grow at open angle, tendency to bend; leaves large, bright green; blossoms frost resistant, not resistant to prolonged rain; requires pollinator ('Yellow Transparent' suggested); fruit large; flesh firm, cream color, crisp, juicy; matures late August, continuing to late September; tendency to biennial bearing. Good shipper.

- 267940 and 267941.** *PYRUS COMMUNIS* L. **Malaceae.**

From Great Britain. Budsticks presented by the East Malling Research Station, Kent, England. Received Aug. 30, 1960.

- 267940.** 'Williams' Bon Chretien (H704/1/A1). From Switzerland.

- 267941.** 'Williams' Bon Chretien (M 205). Mother tree.

- 267942 and 267943.** *CUCUMIS SATIVUS* L. **Cucurbitaceae.**

**Cucumber.**

From Japan. Seeds presented by the College of Agriculture, University of Osaka Prefecture, Osaka. Received Sept. 1, 1960.

- 267942.** 'Sekino No. 2'. Line No. 56. 190-4. Selected from variety in Kanto area. Also known as 'Ochiai No. 2'. Spring type (i.e., young plants respond to short days and cool nights of spring by production of pistillate flowers. Less sensitive varieties are grown for midsummer and early fall production). Plants vigorous, early maturing; fruit slender, green; spines black; flesh white, thick, good flavor; resistant to anthracnose.

**267942 and 267943—Continued**

**267943.** 'Tsuda-Sanjaku.' Line No. 56. 157-2. Tsuda Province. Old variety, spring type; seedlings thrive at 62° F. a temperature favorable to pistillate flower formation. Plants not vigorous; leaves large; fruit to 35 cm. long; spines black; immature fruit bitter; anthracnose resistant.

**267944.** *TILIA PLATYPHYLLOS* f. *AUREA* (Loud.) Rehder *Tiliaceae*.

From Germany. Plants purchased from Herm. A. Hesse, Baumschulen, Weener. Received May 13, 1960. Numbered Sept. 1, 1960.

**267945 and 267946.** *IPOMOEA BATATAS* (L.) Lam. *Convolvulaceae*.  
**Sweetpotato.**

From Mexico. Tubers presented by Raul Cervera Lauri, Merida, Yucatan. Received Sept. 6, 1960.

**267945.** White.

**267946.** Red.

**267947.** *ALOPECURUS PRATENSIS* L. *Poaceae*. **Meadow foxtail.**

From Hungary. Seeds presented by the Hortus Botanicus, Universitatis Soproniensis, Sopron. Received Sept. 7, 1960.

**267948.** *TRIFOLIUM HYBRIDUM* L. *Fabaceae*. **Alsike clover.**

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Beltsville, Md. Received Sept. 7, 1960.

Col. No. 18591. Six miles northeast of Lebanon. June 1960.

**267949.** *ALOPECURUS PRATENSIS* L. *Poaceae*. **Meadow foxtail.**

From the Peoples Republic of Germany. Seeds presented by the Botanischer Garten, Bremen. Received Sept. 7, 1960.

**267950.** *ALOPECURUS PRATENSIS* L. *Poaceae*. **Meadow foxtail.**

From the Netherlands. Seeds presented by the Landbouwhogeschool, Wageningen. Received Sept. 7, 1960.

**267951 to 267979.** *SACCHARUM* (hybrids). *Poaceae*. **Sugarcane.**

From Puerto Rico. Cuttings presented by Agricultural Experiment Station, Rio Piedras. Received Sept. 7, 1960.

**267951.** 56-57. **267966.** 56-385.

**267952.** 56-147. **267967.** 56-391.

**267953.** 56-181. **267968.** 56-397.

**267954.** 56-212. **267969.** 56-403.

**267955.** 56-241. **267970.** 56-413.

**267956.** 56-242. **267971.** 56-425.

**267957.** 56-252. **267972.** 56-427.

**267958.** 56-255. **267973.** 56-430.

**267959.** 56-258. **267974.** 56-433.

**267960.** 56-260. **267975.** 56-434.

**267961.** 56-301. **267976.** 56-442.

**267962.** 56-302. **267977.** 56-448.

**267963.** 56-307-A. **267978.** 56-457.

**267964.** 56-344. **267979.** 56-475.

**267965.** 56-366.

267980 to 267984. *VIGNA SINENSIS* (Torner) Savi Fabaceae.

**Cowpea.**

From Nigeria. Seeds presented by the Ministry of Agriculture and Natural Resources, Ibadan. Received Sept. 7, 1960.

- |                         |                         |
|-------------------------|-------------------------|
| 267980. V34-2. 6243.    | 267983. V153-1. 6339-1. |
| 267981. V46-2. 6263.    | 267984. V154-8. 6340-8. |
| 267982. V142-1. 6329-1. |                         |

267985. *CYNODON DACTYLON* (L.) Pers. Poaceae.

**Bermudagrass.**

From Pakistan. Stolons collected by J. R. Harlan, agricultural explorer, New Crops Research Branch, Plant Industry Station, Beltsville, Md. Received Sept. 7, 1960.

Col. No. 830. Mastuj village, Chitral State, northeast of Peshawar. August 1960. Low creeping, lawn type, may have some winter hardness.

267986. *ECBALLIUM ELATERIUM* (L.) A. Rich. Cucurbitaceae.

**Squirting-cucumber.**

From Portugal. Seeds presented by the Hortus Botanicus, Coimbra. Received Sept. 7, 1960.

267987 to 268014.

From Portugal. Seeds presented by the Estacao Agronomica Nacional, Sacavem. Received Sept. 7, 1960.

267987. *AEGILOPS TRIARISTATA* Willd. Poaceae.

267988. *AVENA ALBA* Vahl Poaceae.

267989. *AVENA STERILIS* L.

**Animated oats.**

267990. *HORDEUM MURINUM* L. Poaceae.

267991 to 268004. *ORYZA SATIVA* L. Poaceae.

267991. 'Japonica Dichroa 9544'.

267992. 'Japonica Italica 17129'.

267993. 'Japonica Italica 11137'.

267994. 'Japonica Italica 17133'.

267995. 'Japonica Nervialonica 17138'.

267996. 'Japonica Paraitalica 14195'.

267997. 'Japonica Paraitalica 14197'.

267998. 'Japonica Paraitalica 17147'.

267999. 'Japonica Pyrocarpa 17175'.

268000. 'Japonica Subaristimaculata 17174'.

268001. 'Japonica Subjanthoceros 9548'.

268002. 'Japonica Subjanthoceros 17159'.

268003. 'Japonica Subviolgaris 30137'.

268004. 'Japonica Vulgaris 9550'.

268005 to 268014. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

268005. 'Erythrospermum 701' 268010. 'Ferrugineum 765'.

268006. 'Erythrospermum 713' 268011. 'Graecum 1992'.

268007. 'Erythrospermum 735' 268012. 'Lutescens 680'.

268008. 'Erythrospermum 736' 268013. 'Milturum 43635'.

268009. 'Ferrugineum 759' 268014. 'Milturum 43636'.



**268015 to 268018. SACCHARUM (hybrids). Poaceae. Sugarcane.**

From Fiji. Cuttings presented by the Colonial Sugar Refining Company Limited, Lautoka Mill. Received Sept. 7, 1960.

268015. 'Fiji 33'.

268017. 'Fiji 47'.

268016. 'Fiji 40'.

268018. 'Galba'.

**268019 to 268053. PRUNUS sp. Amygdalaceae.**

From the United States. Root sprouts growing at the Experiment Station, Horticultural Research Department, Louisiana State University, Baton Rouge. Collected by P. L. Hawthorne, and L. G. Jones in Louisiana, Jan. 19 to Feb. 10, 1960.

Native, European and Japanese species and hybrid plums.

268019. Col. No. L-9-30. 'White's No. 1'. From the A. W. White farm, Walker. Fruits large, pinkish purple, juicy.

268020. Col. No. L-9-31. 'White's No. 2'. From the A. W. White farm, Walker. Fruits medium size, red, juicy.

268021. Col. No. L-9-32. 'Cassle No. 1'. From the C. E. Cassle farm, Denham Springs. Fruits large, yellow.

268022. Col. No. L-9-33. 'Cassle No. 2'. From the C. E. Cassle farm, Denham Springs. Fruits 0.75 to 1 inch in diameter, translucent, many dots on skin; flesh yellow, very juicy.

268023. Col. No. L-9-34. 'Cassle No. 3'. From the C. E. Cassle farm, Denham Springs. Fruits meaty, round, slightly flat on apex, 1 to 1.25 inches in diameter; flesh orange red.

268024. Col. No. L-9-35. 'Crowder No. 1'. From the A. J. Crowder farm, Denham Springs. Fruits red, 1 to 1.5 inches in diameter; suckers few.

268025. Col. No. L-9-40. 'Brousard No. 1'. From the N. J. Brousard farm, Denham Springs. Fruits large, meaty, yellow.

268026. Col. No. L-9-41. 'Brousard No. 25. From the N. J. Brousard farm, Denham Springs. Tree over 50 years old, blooms early; fruits large, red, with white specks.

268027. Col. No. L-9-42. 'Berry'. From the Charles Berry farm, Hammond. Fruits round, 1 inch in diameter, cleft, yellow, with red flush, many dots, juicy.

268028. Col. No. L-9-44. 'Fayard'. From the C. Fayard farm, Springfield. Fruits to two inches in diameter, solid, heart shape, deep cleft; skin dark red when ripe; flesh yellow. Severe brown rot.

268029. Col. No. L-9-47. 'Richardson'. Near Richard's Grocery, Springfield. Fruits large, meaty, purple.

268030. Col. No. L-9-48. 'Lee No. 1'. From the L. L. Lee farm, Springfield. Fruits large, resemble small peach or apricot.

268031. Col. No. L-9-49. 'Lee No. 2'. From the L. L. Lee farm, Springfield. Fruits large, yellow, juicy.

268032. Col. No. L-9-50. 'Lee No. 3'. From the L. L. Lee farm, Springfield. Fruits large, purple.

268033. Col. No. L-9-54. 'Blood River'. From the Willie Slingmyer farm, Blood River community. Fruits large, dull red.

268034. Col. No. L-9-57. 'Coats No. 1'. Springfield. Fruits purple.

268035. Col. No. L-9-58. 'Coats No. 3'. Springfield. Fruits red.

268036. Col. No. L-9-59. From Jack Cowart, near Bayou Barbary.

268037. Col. No. L-9-60. 'Cowart No. 2'. From Jack Cowart, near Bayou Barbary.

**268019 to 268053—Continued**

268038. Col. No. L-9-61. 'McNabb No. 1'. From J. E. McNabb, Bayou Barbary.
268039. Col. No. L-9-62. 'McNabb No. 2'. From J. E. McNabb, Bayou Barbary.
268040. Col. No. L-9-63. 'Hutchinson'. From the Reid Hutchinson farm, Horse Bluff.
268041. Col. No. L-9-64. 'Wall No. 1'. From the Marshall Wall farm, Hammond. Fruits yellow.
268042. Col. No. L-9-65. 'Wall No. 2'. From the Marshall Wall farm, Hammond. Fruits red.
268043. Col. No. L-9-66. 'Martin'. From George Martin, Frost. Fruits prune type.
268044. Col. No. L-9-67. 'Martin Goose'. From George Martin, Frost. Fruits goose type.
268045. Col. No. L-9-68. 'Miller'. From the Ben F. Miller farm, Livingston.
268046. Col. No. L-9-69. Near Bayou Barbary.
268047. Col. No. L-9-71. 'Gordon No. 1'. From the James Gordon farm, Livingston. Peach plum.
268048. Col. No. L-9-72. 'Gordon No. 2'. From the James Gordon farm, Livingston. Fruits large, tough, red.
268049. Col. No. L-9-73. 'Gordon No. 3'. From the James Gordon farm, Livingston. Fruits red, spicy.
268050. Col. No. L-9-74. 'Gordon No. 4'. From the James Gordon farm, Livingston. Fruits yellow.
268051. Col. No. L-9-75. 'Robalais No. 1'. From Elvis Robalais, Simmesport. Sprouts many; fruits reddish purple.
268052. Col. No. L-9-76. 'Robalais No. 2'. From Elvis Robalais, Simmesport. Sprouts few; fruits pinkish yellow.
268053. Col. No. L-9-77. 'Chartin'. From the E. Chartin farm, on bayou below Acy. Fruits reddish yellow.

**268054 to 268061. SACCHARUM (hybrids). Poaceae. Sugarcane.**

From Fiji. Cuttings presented by the Colonial Sugar Refining Company Limited, Lautoka Mill. Received Sept. 8, 1960.

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|--------------------|--------------------|
| 268054. 'Fiji 35'. | 268058. 'Fiji 48'. |
| 268055. 'Fiji 38'. | 268059. 'Fiji 52'. |
| 268056. 'Fiji 39'. | 268060. 'Fiji 54'. |
| 268057. 'Fiji 43'. | 268061. 'Fiji 59'. |

**268062. CITRUS sp. Rutaceae.**

From New Zealand. Seeds presented by the Department of Scientific and Industrial Research, Auckland. Received Sept. 12, 1960.

'Rarotonga'.

**268063. MEDICAGO SATIVA L. Fabaceae.**

**Alfalfa.**

From India. Seeds presented by the Rockefeller Foundation, Kashmir. Received Sept. 12, 1960.

Collected at the Karewa Farm, Srinagar. Elevation 5,000 feet. Plants small; stems fine; flower purple; gives impression it is diploid. Susceptible to common leaf spot and black stem.

**268064. STENOTAPHRUM sp. Poaceae.**

From Kenya. Roots presented by the Grassland Research Station, Uppsala. Received Sept. 15, 1960.

**268065 and 268066. MEDICAGO SATIVA L. Fabaceae. Alfalfa.**

From Sweden. Seeds presented by the Swedish Seed Association, Uppsala. Received Sept. 15, 1960.

268065. Harvested 1954.

268066. Harvested 1955.

**268067. TRIFOLIUM SUBTERRANEUM L. Fabaceae.**

**Subterranean clover.**

From Australia. Seeds presented by F. H. Brunning, Melbourne. Received Sept. 15, 1960.

'Woogenellup'.

**268068. LOTUS CORNICULATUS L. Fabaceae. Birdsfoot trefoil.**

From Portugal. Seeds presented by H. Chambers, Praia de Lavadores. Received September 15, 1960.

**268069 to 268077. TRITICUM AESTIVUM L. Poaceae.**

**Common wheat.**

From Hungary. Seeds presented by the Agricultural Experimental Institute, Kompolt. Received September 15, 1960.

268069. B. 1201.

268074. Karcagi 522.

268070. B. 1205.

268075. Kompolti Szalkas.

268071. F. 481.

268076. L. P. 160.

268072. Fertodi 293.

268077. U. 130.

268073. K. 169.

**268078 to 268100.**

From Nigeria. Seeds presented by the Regional Research Station, Zaria. Received Sept. 19, 1960.

**268078 to 268086. HIBISCUS CANNABINUS L. Malvaceae.**

**Kenaf.**

'Rama'.

268078. Sel. No. 1418-59-134.

268083. Sel. No. 1424-59-140.

268079. Sel. No. 1419-59-135.

268084. Sel. No. 1425-59-139.

268080. Sel. No. 1420-59-136.

268085. Sel. No. 1425-59-141.

268081. Sel. No. 1421-59-137.

268086. Sel. No. 1426-59-142.

268082. Sel. No. 1422-59-138.

**268087 to 268096. HIBISCUS ESCULENTUS L.**

**Okra.**

268087. Sel. No. 1482-59-112.

268092. Sel. No. 1526-59-107.

268088. Sel. No. 1483-59-121.

268093. Sel. No. 1527-59-108.

268089. Sel. No. 1484-59-122.

268094. Sel. No. 1528-59-109.

268090. Sel. No. 1524-59-105.

268095. Sel. No. 1529-59-110.

268091. Sel. No. 1525-59-106.

268096. Sel. No. 1530-59-111.

**268097 to 268100. HIBISCUS SABDARIFFA L.**

**Roselle.**

'Yakuwa'.

268097. Sel. No. 1429-59-143.

268099. Sel. No. 1434-59-145.

268098. Sel. No. 1432-59-144.

268100. Sel. No. 1435-59-146.



**268101 to 268110.**

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico City. Received September 21, 1960.

**268101 to 268106.** *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**

**268101.** 'Pasilla Corto'. **268104.** 'Tipo Mulato'.  
IV-626. 58C-29-27.

**268102.** 'Tipo Ancho'. **268105.** 'Tipo Poblano'.  
58C-27-8. 58C-76-2.

**268103.** 'Tipo Jalapeno'. **268106.** 'Tipo Sandia'.  
58C-63-4. 58C-70-12.

**268107.** *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

'Cotaxtla I'. XXX 1448 (F). High yielding, midseason variety; fruits large, firm.

**268108 to 268110.** *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

Early maturing bush type; yield 1,500 kg. per hectare; seeds small, black.

**268108.** 'Actopan'.

**268109.** 'Antigua'.

**268110.** 'Jamapa'.

**268111 to 268115.**

From the Netherlands. Plants purchased from Old Farm Nurseries, Boskoop. Numbered September 21, 1960.

**268111 to 268113.** *FRAXINUS EXCELSIOR* L. Oleaceae. **European ash.**

**268111.** 'Doorenbos 5'.

**268112.** 'Jaspidea'.

**268113.** 'Westhof's Glory'.

**268114 and 268115.** *FRAXINUS EXCELSIOR* L.

**268114.** 'Aurea'.

**268115.** 'Diversifolia'.

**268116 to 268131.**

From the Netherlands. Plants purchased from Pierre Lombarts, Zunder. Numbered September 21, 1960.

**268116.** *ARUNDINARIA VIRIDI-STRATA* (Regel) Makino Poaceae. **Bamboo.**

**268117.** *FRAXINUS ANGUSTIFOLIA* Wahl Oleaceae.

'Pendula'.

**268118 and 268119.** *FRAXINUS EXCELSIOR* L. Oleaceae. **European ash.**

**268118.** 'Pendula'.

**268119.** 'Pendula Variegata'.

**268120.** *FRAXINUS OXYCARPA* Willdenow **Ash.**

**268121.** *SALIX ACUTIFOLIA* Willdenow Salicaceae. **Sharpleaf willow.**  
'Pendulifolia'.

**268122 to 268126.** *SALIX ALBA* L. **White willow.**

**268122.** 'Chermesina'. **268125.** 'Metmondiana'.

**268123.** 'Drankenburg'. **268126.** 'Rockanje'.

**268124.** 'Lutescens'.

**268127.** *SALIX CINEREA* L.

**268116 to 268131—Continued**268128. *SALIX CINEREA* L.

'Grandis No. 56'.

268129. *SALIX DAPHNOIDES* Villars

Daphne willow.

268130. *SALIX DASYCLADOS* Wimmer268131. *SALIX INTERIOR* Rowlee**268132. *TRIFOLIUM SUBTERRANEUM* L. Fabaceae.****Subterranean clover.**

From Australia. Seeds presented by the F. H. Brunning Proprietary, Limited, South Melbourne. Received September 22, 1960.

'Clare'.

**268133. *SACCHARUM* (hybrid). Poaceae.****Sugarcane.**

From the Union of South Africa. Cuttings presented by the South African Sugar Association Experiment Station, Natal. Received Sept. 23, 1960.

N.50/211.

**268134 and 268135.**

From the United States. Seeds presented by the University of California Citrus Experiment Station, Riverside, California. From Laguna, Philippine Islands. Received September 23, 1960.

268134. *FICUS BOTRYOCARPA* Miq. Moraceae.

Fig.

268135. *FICUS STRICTA* Miq.

Fig.

**268136 to 268141.**

From Australia. Plants presented by the Hodgins Nurseries Proprietary, Limited, Victoria. Received Sept. 23, 1960.

268136 to 168138. *CLEMATIS* (hybrids). Ranunculaceae.

268136. 'E. M. Pritchard'.

268137. 'R. V. Pritchard'.

268138. 'Pritchardii'.

268139 to 268140. *HIBISCUS SYRIACUS* L. Malvaceae.

Shrub-althea.

268139. 'De La Veuve'.

268140. 'Fatusoa'.

268141. *LAGERSTROEMIA* sp. Lythraceae.**268142 to 268156.**

From the United States. Seeds collected by the University of Arizona, Tucson. From Arizona, unless otherwise stated. Received Sept. 26, 1960.

268142. *APODANTHA UNDULATA* Gray Cucurbitaceae.

Cochise County, 1958.

268143. *CHENOPODIUM ARIZONICUM* Standl. Chenopodiaceae.

Bear Canyon, Mt. Lemmon, 1959.

268144. *CHENOPODIUM FREMONTII* Wats.

Bear Canyon, Mt. Lemmon, 1959.

268145. *CHENOPODIUM INCISUM* Poir.

Bear Canyon, Mt. Lemmon, 1959.

268146. *CHENOPODIUM LEPTOPHYLLUM* Nutt. ex Moq.

Fairbanks, 1958.

## 268142 to 268156—Continued

268147. *CHILOPSIS SALIGNA* D. Don Bignoniaceae.  
Tanque Verde Valley, 1959.
268148. *DATURA CERATOCaula* Jacq. Solanaceae.  
Mason No. 1876, 22 miles south of Queretaro, Mexico, 1960.
268149. *DATURA DISCOLOR* Bernh.  
Km. 1952, Mexican West Coast Highway, 1958.
268150. *DATURA QUERCIFOLIA* HBK.  
Goodding No. 599-58, Texas Canyon, 1958.
268151. *JACQUINIA PUNGENS* Gray Theophrastaceae.  
Mason No. 1856. Km. 1489, Sinaloa, Mexico, 1960.
268152. *SOLANUM AMERICANUM* Mill. Solanaceae.  
Ash Canyon, Huachuca Mountains, 1958.
268153. *SOLANUM NODIFLORUM* Jacq.  
Ash Canyon, Huachuca Mountains, 1958.
268154. *SOLANUM VERBASCIFOLIUM* L. Nightshade.  
Mason No. 1689, Navajoa, Mexico, 1958.
268155. *TERNSTROEMIA PRINGLEI* Standl. Theaceae.  
Nayarit, Mexico, 1959.
268156. *THEVETIA PERUVIANA* (Pers.) Merrill Apocynaceae. Yellow-oleander.  
University of Arizona campus, 1958.

## 268157 to 268204.

From Czechoslovakia. Seeds presented by the Academy of Agricultural Sciences, Kromeriz. Reportedly resistant to *Erysiphe graminis*, unless otherwise noted. Received Sept. 27, 1960.

- 268157 to 268181. *HORDEUM DISTICHON* L. Poaceae. Two-rowed barley.
268157. No. 1. 'Weihestephaner II'. From Germany.
268158. No. 2. 'Da Caffé'. From Germany.
268159. No. 3. 'Zeiners Immune'. From Germany.
268160. No. 5. 'Schweigers Erika'. From Germany.
268161. No. 6. 'Bengasi'. From Germany.
268162. No. 8. 'Firlbecks III'. From Germany.
268163. No. 9. 'Strengs Franken III'. From Germany.
268164. No. 15. 'Mullers Franken'. From Germany.
268165. No. 41. B 2145. From Poland.
268166. No. 42. 'Mileninum'. From Poland.
268167. No. 280. 'Krymskij 301'. From Russia.
268168. No. 298. 'Detenicky Kargyn'.
268169. No. 299. 'Zborovicky Kargyn'.
268170. No. 304. 'Proskovecuv Hanacky'.
268171. No. 306. 'Hanacky Moravan'.
268172. No. 308. 'Opavsky'.
268173. No. 310. 'Valtický'. Reportedly not resistant.
268174. No. 317. 'Hanacky Starovesky'. Reportedly not resistant.



## 268157 to 268204—Continued

## 268157 to 268181—Continued

268175. No. 389. 'Kolocovice'.  
 268176. No. 520. 'Stupicky Hanacky'. Reportedly not resistant.  
 268177. No. 523. 'Hanacky Export'.  
 268178. No. 524. 'Hanacky Jubilenjni'.  
 268179. No. 527. 'Kvasicky'.  
 268180. No. 528. 'Triumf'.  
 268181. No. 540. 'Hodoninsky'. Reportedly not resistant.

## 268182. HORDEUM PYRAMIDATUM Regel

- No. 24. 'Sechszellige Sacavem 5598'. From Portugal.

## 268183 to 268204. HORDEUM sp. Poaceae.

268183. No. 37. 'Weihenstephaner'. From Germany.  
 268184. No. 18. 'P.S.G. Nordland'. From Germany. Reportedly resistant to *Puccinia hordei*.  
 268185. No. 19. 'Breusteds Granat'. From Germany. Reportedly resistant to *Puccinia hordei*.  
 268186. No. 27. II 20. From Dalmatia.  
 268187. No. 28. I 5. From Dalmatia.  
 268188. No. 29. I 25. From Dalmatia.  
 268189. No. 30. 'Ragusa 420'. From Balkan.  
 268190. No. 34. 'Balkan 1942:922'. From Balkan.  
 268191. ROZ 1. 'Balkan 1942:1102'. From Balkan.  
 268192. ROZ 2. 'Ragusa 6-9'. From Balkan.  
 268193. ROZ 3. 'Ragusa 415'. From Balkan.  
 268194. ROZ 4. 'Peloponnese 1942:25'. From Balkan.  
 268195. ROZ 5. 'Balkan 1942:1120/b'. From Balkan.  
 268196. ROZ 6. 'Balkan 1941:2202'. From Balkan.  
 268197. ROZ 8. 'Almersfelder'. From Germany.  
 268198. ROZ 10. 'Balkan 1942:802'. From North Africa.  
 268199. ROZ 11. 'Balkan 1941:1407'. From Balkan.  
 268200. ROZ 12. 'Ragusa 416'. From Balkan.  
 268201. ROZ 13. 'Ragusa b.DR 34-40/'. From Balkan.  
 268202. ROZ 14. 'Strengs Doria'. From Germany.  
 268203. ROZ 15. 'Vierzeilige Futtergerste'. From Germany.  
 268204. ROZ 9. 'Tschermak's Vierzeilige'. From Germany.

## 268205 to 268323.

From Iran. Seeds collected by J. R. Harlan, agricultural explorer, New Crops Research Branch, Plant Industry Station, Beltsville, Md. Received Sept. 30, 1960.

## 268205. ACER sp. Aceraceae.

Col. No. 105. Steep rocky slopes, Behistun Mountains, two km. north of Kermanshah. Elevation 1,800 meters. Tree to four meters high; foliage dense.

## 268206. AEGILOPS sp. Poaceae.

Col. No. 9. Thirty-eight km. south of Ilam. Elevation 575 meters.

## 268205 to 268323—Continued

268207. *AEGILOPS TRIUNCIALIS* L.

Barb goatgrass.

Col. No. 63. Rocky talus, Behistun Mountains, 20 km. east of Kermanshah.

268208. *HETERANTHELIUM PILIFERUM* (Russ.) Taub. & Spach

Col. No. 64. Rocky talus, Behistun Mountains, 20 km. east of Kermanshah.

268209. *AEGILOPS* sp.

Col. No. 124. Canyon bottom, 43 km. north of Karaj Pass.

268210. *AEGILOPS* sp.

Col. No. 134. Twenty km. east of Behshahr, near sea level.

268211. *ARRHENATHERUM KOTSCHYI* Boiss. Poaceae.

Col. No. 107. Steep rocky slope, Behistun Mountains, 20 km. north of Kermanshah. Elevation 1,800 meters. Plants to 0.5 meters high.

268212. *ASTRAGALUS* sp. Fabaceae.

Col. No. 78. Thirty km. northwest of Kermanshah. Plant 60 cm. high, leafy.

268213 and 268214. *AVENA BARBATA* Brot. Poaceae.

268213. Col. No. 82. Rocky ridge 50 km. south of Shahabad.

268214. Col. No. 96. Barren mountain 80 km. north of Kermanshah.

268215. *AVENA* sp.

Col. No. 19. In orchard, Mehran. Plants tall, robust; not cultivated.

268216. *AVENA* sp.

Col. No. 30. Fifty km. east of Tepe Musgan.

268217. *BROMUS TOMENTELLUS* Boiss. Poaceae.

Col. No. 103. Steep, rocky slope, Behistun Mountains, 20 km. north of Kermanshah. Elevation 1,800 meters. Plants to one meter high, erect.

268218. *BROMUS TOMENTELLUS* Boiss.

Col. No. 83. Rocky ridge, 50 km. south of Shahabad. Erect perennial bunchgrass.

268219. *BROMUS* sp.

Col. No. 125. Canyon bottom, 43 km. north of Karaj Pass. Plants short, erect, bunch habit.

268220 and 268221. *BROMUS JAPONICUS* Thunb.

268220. Col. No. 132. Near sea level 20 km. east of Behshahr. Grass to 0.5 meter high.

268221. Col. No. 139. Plains 23 km. east of Gorgan. Plants 0.5 meter high.

268222. *BRACHYPODIUM* cf. *SYLVATICUM* (Huds.) Beauv.

Col. No. 143. Mountains 172 km. east of Gorgan. Plants 0.5 meter high.

268223. *BROMUS MACROSTACHYS* Desf.

Col. No. 149. Plateau, 313 km. from Gorgan. Plants 10 cm. high.

268224. *CALEPINA* sp. Brassicaceae.

Col. No. 7. Pass in steep, treeless, mountains, 75 km. northeast of Kermanshah. Elevation 1,800 meters.

268225. *CEDRUS* sp. Pinaceae.

Col. No. 126. Steep rocky canyon, 65 km. north of Karaj Pass. Trees to 18 meters high.

**268205 to 268323—Continued**

- 268226.** *CERCIS CHINENSIS* Bunge *Caesalpiniaceae*. **Chinese redbud.**  
Col. No. 109. Karaj Agricultural College, 40 km. west of Tehran. Elevation 1,200 meters. Tree eight meters high.
- 268227.** *CUCUMIS MELO* L. *Cucurbitaceae*. **Muskmelon.**  
Col. No. 137. 'Kharhaze' melon. Chalus.
- 268228 and 268229.** *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. *Fabaceae*. **Guar.**
- 268228.** Col. No. 35. 'Sind'. Experiment Station, Haft Tappah.
- 268229.** Col. No. 36. 'Punjab'. Experiment Station, Haft Tappah.
- 268230 to 268233.** *DACTYLIS GLOMERATA* L. *Poaceae*. **Orchardgrass.**
- 268230.** Col. No. 122. Canyon bottom, 41 km. from Karaj Pass. Small orchard grass; spikelets compact.
- 268231.** Col. No. 128. Coastal sand dunes, 70 km. east of Ramsar. Short, nearly leafless, orchardgrass.
- 268232.** Col. No. 131. Near sea level 20 km. east of Behshahr. Grass to 0.5 meter high.
- 268233.** Col. No. 145. Mountains 172 km. east of Gorgan. Grass to one meter high.
- 268234.** *FESTUCA OVINA* L. *Poaceae*.  
Col. No. 106. Steep rocky slope, Behistun Mountain, 20 km. north of Kermanshah. Elevation 1,800 meters.
- 268235.** *FESTUCA* sp.  
Col. No. 129. Coastal sand dunes, 70 km. east of Ramsar. Plants fine stemmed.
- 268236 to 268241.** *HORDEUM DISTICHON* L. *Poaceae*. **Two-rowed barley.**
- 268236.** Col. No. 7. Foothills 30 km. south of Ilam. Elevation 750 meters.
- 268237.** Col. No. 13. Hills 64 km. north of Mehran. Elevation 375 meters.
- 268238.** Col. No. 14. Hills 49 km. north of Mehran. Elevation 330 meters.
- 268239.** Col. No. 41. Hills 8 km. northwest of Behbahan.
- 268240.** Col. No. 50. Mountain valley, 20 km. north of Fahlian.
- 268241.** Col. No. 61. Thirty km. west of Shiraz.
- 268242 to 268245.** *HORDEUM SPONTANEUM* C. Koch
- 268242.** Col. No. 6. 'Jo Vashi'. American Hospital Compound, Kerman.
- 268243.** Col. No. 8. Rocky slope, 35 km. south of Ilam.
- 268244.** Col. No. 49. Foothills, 40 km. south of Dow Gonbadan.
- 268245.** Col. No. 58. Slope below Shapur, 30 km. northwest of Kazerun.
- 268246 to 268259.** *HORDEUM VULGARE* L. **Barley.**
- 268246.** Col. No. 2. 'Siyah'. Kashan.
- 268247.** Col. No. 3. 'Sefid'. White. Kashan.
- 268248.** Col. No. 16. Irrigated field near Mehran. Black, six-rowed type.
- 268249.** Col. No. 23. Hills 80 km. east of Mehran. Elevation 360 meters. Plants short, sparse.



## 268205 to 268323—Continued

## 268246 to 268259—Continued

268250. Col. No. 26. Irrigated field near Dehloran.  
 268251. Col. No. 34. Plains 60 km. west of Ahwaz.  
 268252. Col. No. 37. Plains 65 km. southeast of Ahwaz.  
 268253. Col. No. 46. Low, dryland, 34 km. south of Behbahan, foothills.  
 268254. Col. No. 48. Low foothills, 2 km. south of Dow Gonbadan.  
 268255. Col. No. 52. Irrigated valley, 18 km. north of Fahlian. Elevation 600 meters.  
 268256. Col. No. 54. Irrigated valley, 17 km. north of Fahlian.  
 268257. Col. No. 75. Edge of valley, 15 km. northwest of Kermanshah.  
 268258. Col. No. 79. Six km. north of Shahabad.  
 268259. Col. No. 84. Steep hillside, 70 km. south of Shahabad.
268260. *HORDEUM* sp.

Col. No. 144. Mountains 172 km. east of Gorgan. Short, bunch-headed grass.

268261. *HYPARRHENIA HIRTA* (L.) Stapf Poaceae.

Col. No. 56. Slopes below Shapur, 30 km. northwest of Kazerun.

268262 and 268263. *LENS CULINARIS* Medic Fabaceae. Lentil.

268262. Col. No. 60. Kazerun.

268263. Col. No. 147. Plateau, 313 km. from Gorgan. Plants to 10 cm. high, pealike legume.

268264. *LINUM USITATISSIMUM* L. Linaceae. Flax.

Col. No. 44. Two km. south of Behbahan.

268265. *MELICA* sp. Poaceae.

Col. No. 104. Steep rocky slope Behistun Mountains, 20 km. north of Kermanshah. Elevation 1,800 meters. Plant 0.5 meter high.

268266. *MELICA CILIATA* L.

Col. No. 121. Canyon bottom, 41 km. from Karaj Pass. Plant 0.75 meter high, erect, narrow-leaved bunchgrass.

268267. *ORYZOPSIS COERULESCENS* (Desf.) Hack Poaceae.

Col. No. 108. Steep rocky slope, Behistun Mountains, 20 km. north of Kermanshah. Elevation 1,800 meters. Plant 1 meter high.

268268. *PRUNUS ARMENIACA* L. Amygdalaceae. Apricot.

Col. No. 20. In orchard, Mehran.

268269. *PRUNUS BRIGANTICA* Vill.

Col. No. 113. Karaj Agricultural College, 40 km. west of Tehran. Elevation 1,200 meters. Tree small.

268270. *PRUNUS HAUSKNECHTII* C. K. Schneider ex Bronn.

Col. No. 112. Karaj Agricultural College, 40 km. west of Tehran. Elevation 1,200 meters.

268271. *PRUNUS SPARTIOIDES* Spach.

Col. No. 111. Karaj Agricultural College, 40 km. west of Tehran. Elevation 1,200 meters. Shrub blue green, weeping habit.

268272 to 268277. *PRUNUS* sp.

268272. Col. No. 5. Rocky canyon, 25 km. north of Kermanshah. Elevation 1,825 meters. Small-leaved, dense, ornamental. Grazed. May-be of value as dwarfing rootstock.

## 268205 to 268323—Continued

## 268272 to 268277—Continued

268273. Col. No. 57. On slopes below Shapur, 30 km. northwest of Kazerun.

268274. Col. No. 100. Steep, rocky slopes, Behistun Mountains, 20 km. north of Kermanshah. Elevation 1,800 meters. Tree to three meters high; twigs stout, thornlike; leaves silvery.

268275. Col. No. 136. Chalus.

268276. Col. No. 150. Gorgan bazaar. Fruit large red cherry.

268277. Col. No. 154. Twenty-five km. southwest of Meshed. Cherries large, dark red.

268278. *ROSA LUTEA* Miller Rosaceae.

Austrian brier rose.

Col. No. 114. Karaj Agricultural College, 40 km. west of Tehran. Elevation 1,200 meters. Rounded shrub to three meters high; foliage dense; leaves small.

268279. *ROSA* sp.

Col. No. 4. Rocky canyon, 25 km. north of Kermshah. Plant shrubby, dense, about 1.5 meters high.

268280. *SANGUISORBA MINOR* Scop. Rosaceae.

Small burnet.

Col. No. 95. Valley, 10 km. northeast of Kermanshah.

268281. *SECALE CEREALE* L. Poaceae.

Rye.

Col. No. 94. Pass 10 km. south of Harsin.

268282. *STAPHYLEA PINNATA* L. Staphyleaceae.

European bladdernut.

Col. No. 115. Karaj Agricultural College, 40 km. west of Tehran. Elevation 1,200 meters. Tree seven meters high; foliage dense.

268283. *STIPA* sp. Poaceae.

Col. No. 70. Pass in steep treeless mountains, 75 km. northeast of Kermanshah. Elevation 1,800 meters.

268284. *TRIFOLIUM VELIVOLUM* Paine Fabaceae.

Clover.

Col. No. 81. Rocky ridge, 50 km. south of Hahabad. Plants heavily grazed.

268285 to 268317. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

268285. Col. No. 10. Field, 48 km. south of Ilam, edge of Mesopotamian Plain.

268286. Col. No. 11. Hills 64 km. north of Mehran. Elevation 375 meters.

268287. Col. No. 12. Hills 64 km. north of Mehran. Beardless bread-wheat.

268288. Col. No. 15. Hills 49 km. north of Mehran. Elevation 330 meters.

Bearded breadwheat.

268289. Col. No. 17. Irrigated field near Mehran.

268290. Col. No. 18. Irrigated field near Mehran.

268291. Col. No. 22. Irrigated field three km. east of Mehran.

268292. Col. No. 24. Dry situation, 80 km. east of Mehran. Elevation 360 meters. Plants short.

268293. Col. No. 25. Irrigated field near Dehloran.

268294. Col. No. 29. Fifty km. east of Tepe Musyan.

268295. Col. No. 33. Sixty km. west of Ahwaz.

## 268205 to 268323—Continued

## 268285 to 268317—Continued

268296. Col. No. 38. Plains 65 km. southeast of Ahwaz.  
 268297. Col. No. 42. Eight km. northwest of Behbahan.  
 268298. Col. No. 45. Low, dryland, foothills, 34 km. south of Behbahan.  
 268299. Col. No. 47. Low foothills two km. south of Dow Gonbadan.  
 268300. Col. No. 53. Valley, 18 km. north of Fahlian. Elevation 600 meters.  
 268301. Col. No. 62. Kazerun.  
 268302. Col. No. 77. Thirty km. northwest of Kermanshah.  
 268303. Col. No. 80. Six km. north of Shahabad.  
 268304. Col. No. 85. Open valley, 80 km. south of Shahabad.  
 268305. Col. No. 86. Near Ilam.  
 268306. Col. No. 87. Oak woodland, 37 km. west of Khorramabad.  
 268307. Col. No. 88. Oak woodland, 41 km. west of Khorramabad.  
 268308. Col. No. 89. Oak woodland, 46 km. west of Khorramabad.  
 268309. Col. No. 90. Mountains 53 km. west of Khorramabad.  
 268310. Col. No. 91. Barren mountainside 63 km. north of Khorramabad.  
 268311. Col. No. 92. Mountains 83 km. north of Khorramabad.  
 268312. Col. No. 93. Pass, 10 km. south of Harsin.  
 268313. Col. No. 97. Barren mountains, 80 km. north of Kermanshah.  
 268314. Col. No. 98. Hills 84 km. north of Kermanshah.  
 268315. Col. No. 99. Hills 85 km. north of Kermanshah.  
 268316. Col. No. 133. Near sea level, 20 km. east of Behshahr.  
 268317. Col. No. 152. Twenty km. southwest of Meshed.
268318. *TRITICUM DURUM* Desf.  
 Col. No. 55. Three km. north of Fahlian. Club headed.
268319. *VICIA ERVILIA* (L.) Willd. Fabaceae. Bittervetch.  
 Col. No. 65. Near Kermanshah.
268320. *VICIA TENUIFOLIA* Roth.  
 Col. No. 101. Behistun mountains, 20 km. north of Kermanshah. Elevation 1,800 meters.
268321. *VICIA HYRCANICA* Fisch. & Mey.  
 Col. No. 76. Thirty km. northwest of Kermanshah.
268322. *LATHYRUS ANNUUS* L. Fabaceae.  
 Col. No. 135. Near sea level, 20 km. east of Behshahr. Plants to 30 cm. high, grasslike; leaves slender.
268323. *ZEA MAYS* L. Poaceae. Corn.  
 Col. No. 1. Kashan bazaar. A popcorn that does not look like popcorn.
268324. *CYNODON DACTYLON* (L.) Pers. Poaceae. Bermudagrass.  
 From India. Stolons collected by J. R. Harlan, agricultural explorer, Crops Research Division, Beltsville, Md. Received Oct. 4, 1960.  
 Col. No. 1084. Chandonwari, nine miles above Pohalgan. Elevation 9,500 feet. Close turf, heavily grazed; may be cold hardy.



**268325 to 268329. TRITICUM AESTIVUM L. Poaceae.****Common wheat.**

From Australia. Seeds presented by the Department of Agriculture, University of Sydney, Sydney. Received Oct. 4, 1960.

268325. 1810. 'Hopps W 2517'. Spring Ridge.

268326. 1811. 'Kenya 1483'. Tickborne, N. SW.

268327. 1812. 'Mengui 2551'. Spring Ridge.

268328. 1813. 'Kendra W2516'. Spring Ridge.

268329. 1814. 'Gamenya W2550'. Brookstead, Queensland.

**268330 and 268331. CHENOPODIUM QUINOA Willd. Chenopodiaceae. Quinoa.**

From Peru. Seeds presented by the Servicio Cooperativo Inter-Americano Produccion Alimentos (Scipa), Lima. Received Oct. 4, 1960.

268330. 'Cancolla De Puno'.

268331. 'Real De Puno'.

**268332 and 268333.**

From the Union of Soviet Socialist Republics. Seeds obtained by Howard Received Oct. 5, 1960.

268332. AGROPYRON sp. Poaceae.

Road bank near Ukraine Hotel, Moscow. Wild type.

268333. LOLIUM PERENNE L. Poaceae.

Perennial ryegrass.

Near Karakum Canal, Turkestan. Wild type.

**268334. BIXA ORELLANA L. Bixaceae.****Anatto-tree.**

From India. Seeds presented by the Department of Agriculture, Poona. Received Oct. 5, 1960.

**268335 and 268336.**

From the Sudan. Seeds presented by the Cotton Breeding Section, Shambat. Received Oct. 5, 1960.

268335. GOSSYPIMUM INCANUM (Schwartz) Hillcoat Malvaceae.

268336. NOTOXYLINON AUSTRALE Lewton Malvaceae.

**268337 to 268350.**

From Ruanda-Urundi. Seeds presented by Institut National pour l'Etude Agronomique du Congo Belge, Station de Rubona, Rubona. Received Oct. 5, 1960.

268337 to 268339. TRIFOLIUM BACCARINII Chiov. Fabaceae.

268337. No. 6543.

268338. No. 6547.

268339. No. 6559.

268340 to 268343. TRIFOLIUM PURSEGLOVEI Gillett

268340. No. 6542.

268342. No. 6545.

268341. No. 6544.

268343. No. 6552.

268344 to 268350. TRIFOLIUM USAMBARENSE Taub.

268344. No. 6541.

268348. No. 6550.

268345. No. 6546.

268349. No. 6551.

268346. No. 6548.

268350. No. 6554.

268347. No. 6549.

**268351 to 268354. NEPHELIUM LAPPACEUM L. Sapindaceae. Rambutan.**

From Thailand. Seeds presented by the Thai Commercial Company Limited, Bangkok. Received Oct. 6, 1960.

268351. No. 17627. Fruit red, medium size, very sweet.

268352. No. 17628. Fruit deep red, large.

268353. No. 17629. Fruit red, small, sweet.

268354. No. 17630. Fruit yellow, medium size, sweet.

**268355 to 268481.**

From Afghanistan. Plant material collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Seeds unless otherwise indicated. Received Oct. 7, 1960.

268355. *ALLIUM CEPA* L. Liliaceae. Onion.

Col. No. 280. Kabul bazaar.

268356 to 268358. *ALLIUM SATIVUM* L. Garlic.

268356. Col. No. 192. Paghman, 20 km. northwest of Kabul. Cloves.

268357. Col. No. 205. Paghman, 20 km. northwest of Kabul. Cloves.

268358. Col. No. 207. Kabul bazaar. Cloves.

268359. *ALLIUM* sp.

Col. No. 206. Twenty km. northwest of Kabul.

268360. *ALLIUM* sp.

Col. No. 208. Kabul bazaar. Onions dark red.

268361. *BOTHRIODCHLOA ISCHAEMUM* (L.) Keng Poaceae. King's Ranch bluestem.

Col. No. 312. Kabul River canyon, six km. west of Sarobi. Tufted perennial one meter high.

268362 and 268363. *ANETHUM GRAVEOLENS* L. Apiaceae. Dill.

268362. Col. No. 180. 'Shebet'. Paghman, 20 km. northwest of Kabul.

268363. Col. No. 287. 'Chevet'. Kabul bazaar.

268364. *AVENA* sp. Poaceae.

Col. No. 313. Kabul.

268365. *BETA VULGARIS* L. Chenopodiaceae. Beet.

Col. No. 286. 'Larb-labore'. Kabul bazaar.

268366 to 268367. *BRASSICA CAMPESTRIS* L. Brassicaceae. Bird rape.

268366. Col. No. 308. Six km. east of Kabul. Plant one meter high with many siliques.

268367. Col. No. 316. Kabul bazaar.

268368. *BRASSICA RAPA* L. Turnip.

Col. No. 184. 'Shalgham'. Paghman, 20 km. northwest of Kabul.

268369. *BRASSICA CAMPESTRIS* L. Bird rape.

Col. No. 289. 'Shar-sham'. Kabul bazaar.

268370. *RAPHANUS SATIVUS* L.

Col. No. 298. 'Mul-ey'. Kabul bazaar.

268371. *BRASSICA CAMPESTRIS* L. Bird rape.

Col. No. 302. Kabul bazaar.

## 268351 to 268481—Continued

268372. *CANNABIS SATIVA* L. Moraceae. Hemp.  
Col. No. 299. 'Bang-danah'. Kabul bazaar.
268373. *CAPSICUM FRUTESCENS* L. Solanaceae. Redpepper.  
Col. No. 296. 'Morsh'. Kabul bazaar.
268374. *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.  
Col. No. 175. Paghman, 20 km. northwest of Kabul.
268375. *CHRYSOPOGON GRYPHUS* (L.) Trin. Poaceae.  
Col. No. 309. Kabul River canyon, four km. west of Sarobi. Heavily grazed, tufted perennial with fine leaves.
268376. *CICER ARIETINUM* L. Fabaceae. Chickpea.  
Col. No. 290. Kabul bazaar.
268377. *CITRULLUS LANATUS* (Thunb.) Mansf. Watermelon.  
Col. No. 285. 'Tor-yi'. Kabul bazaar.
268378. *CORIANDRUM SATIVUM* L. Apiaceae. Coriander.  
Col. No. 189. 'Gashnick'. Paghman, 20 km. northwest of Kabul.
- 268379 and 268380. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.  
268379. Col. No. 167. Kabul bazaar. Melon large, oval; skin thin; flesh yellow.  
268380. Col. No. 295. 'Bad-rang'. Kabul bazaar.
268381. *CUCURBITA PEPO* L. Cucurbitaceae. Pumpkin.  
Col. No. 288. Kabul bazaar.
268382. *DAUCUS CAROTA* L. Apiaceae. Carrot.  
Col. No. 292. Kabul bazaar.
268383. *FOENICULUM VULGARE* Mill. Apiaceae. Fennel.  
Col. No. 179. 'Bamdigon'. Paghman, 20 km. northwest of Kabul.
268384. *HIBISCUS ESCULENTUM* L. Malvaceae. Okra.  
Col. No. 301. 'Barniyan'. Kabul bazaar.
- 268385 to 268403. *HORDEUM VULGARE* L. Poaceae. Barley.  
268385. Col. No. 202. 'Joe'. Paghman, 20 km. northwest of Kabul.  
268386. Col. No. 203. 'Joe'. Paghman, 20 km. northwest of Kabul.  
268387. Col. No. 213. Northern limits of Kabul. Semismooth-awned.  
268388. Col. No. 215. Seven km. west of Paghman. Semismooth-awned.
- 268389 to 268403. Agronomy plots, Kabul University.
- |                       |                                    |
|-----------------------|------------------------------------|
| 268389. Col. No. 264. | 268397. Col. No. 272.              |
| 268390. Col. No. 265. | 268398. Col. No. 273.              |
| 268391. Col. No. 266. | 268399. Col. No. 275.              |
| 268392. Col. No. 267. | 268400. Col. No. 276.              |
| 268393. Col. No. 268. | 268401. Col. No. 297.              |
| 268394. Col. No. 269. | Kabul bazaar.                      |
| 268395. Col. No. 270. | 268402. Col. No. 310. Kabul.       |
| Smooth-awned.         | 268403. Col. No. 198. 'Joe'. Pagh- |
| 268396. Col. No. 271. | man, 20 km. northwest of Kabul.    |



## 268351 to 268481—Continued

268404. *IRIS* sp. Iridaceae.

Col. No. 160. On high plateau, 185 km. north of Kandahar.

268405. *LACTUCA SATIVA* L. Cichoreaceae.

Lettuce.

Col. No. 291. Kabul bazaar.

268406. *LATHYRUS APHACA* L. Fabaceae.

Col. No. 214. Five km. west of Paghman. Plant small annual; leaves paired, small.

268407. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.

Tomato.

Col. No. 293. 'Badamjan-i-rumi'. Kabul bazaar.

268408. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

Col. No. 217. Ten km. west of Paghman.

268409. *ORYZOPSIS* sp. Poaceae.

Col. No. 307. Kabul River canyon, 22 km. west of Sarobi. Plant about one meter high.

268410. *PANICUM ANTIDOTALE* Retz. Poaceae.

Col. No. 304. Deep canyon, seven km. west of Sarobi.

268411. *PANICUM MILIACEUM* L.

Proso.

Col. No. 197. Paghman, 20 km. northwest of Kabul.

268412 and 268413. *PHASEOLUS AUREUS* Roxb. Fabaceae.

Mung bean.

268412. Col. No. 204. Paghman, 20 km. northwest of Kabul.

268413. Col. No. 300. Kabul bazaar. Green mung.

268414. *PHASEOLUS* sp.

Col. No. 185. 'Lubigaw'. Paghman, 20 km. northwest of Kabul.

268415. *POA BULBOSA* L. Poaceae.

Bulbous bluegrass.

Col. No. 211. Paghman.

268416. *POA ANGUSTIFOLIA* L.

Col. No. 229. Rocky terrace, Paghman.

268417. *DESMOSTACHYA BIPINNATA* (L.) Stapf.

Col. 306. Two km. west of Sarobi. Bunchgrass to four feet high.

268418 to 268420. *PRUNUS ARMENIACA* L. Amygdalaceae.

Apricot.

268418. Col. No. 168. Hotel de Kabul.

268419. Col. No. 171. Hotel de Kabul.

268420. Col. No. 173. Kabul bazaar.

268421. *PRUNUS* sp.

Col. No. 169. Kabul bazaar. Greenish plum.

268422. *PRUNUS* sp.

Col. No. 170. 'Al-Ba-Lu'. Hotel de Kabul. Cherry small, red, sour.

268423. *PRUNUS* sp.

Col. No. 172. 'El-Ass'. Kabul bazaar. Cherry sweet, yellow to red.

268424. *RAPHANUS SATIVUS* L. Brassicaceae.

Radish.

Col. No. 181. 'Turp'. Paghman, 20 km. northwest of Kabul.

268425. *SANGUISORBA MINOR* Scop. Rosaceae.

Small burnet.

Col. No. 222. Paghman. Plant low growing, many stemmed.

## 268351 to 268481—Continued

268426. *SECALE CEREALE* L. Poaceae. Rye.  
Col. No. 282. 'Jo-Dar'. Kabul bazaar.
268427. *SETARIA ITALICA* (L.) Beauv. Poaceae. Foxtail millet  
Col. No. 201. 'Gol'. Paghman, 20 km. northwest of Kabul.
268428. *SOLANUM MELONGENA* L. Solanaceae. Eggplant.  
Col. No. 284. Kabul bazaar.
- 268429 to 268430. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.  
268429. Col. No. 226. Paghman.  
268430. Col. No. 227. Ten km. west of Paghman.
- 268431 to 268433. *TRIFOLIUM RESUPINATUM* L. Persian clover.  
268431. Col. No. 174. 'Shaftal'. Paghman, 20 km. northwest of Kabul.  
268432. Col. No. 223. Six km. north of Paghman. Plants vigorous, heavy stemmed.  
268433. Col. No. 228. Six km. south of Paghman.
268434. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. Fenugreek.  
Col. No. 190. 'Ulbak'. Paghman, 20 km. northwest of Kabul.
- 268435 to 268475. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.  
268435. Col. No. 156. Mountains, 59 km. southeast of Herat.  
268436. Col. No. 209. Five km. below Paghman, towards Kabul.  
268437. Col. No. 210. Paghman.  
268438. Col. No. 212. Five km. west of Paghman.  
268439. Col. No. 216. Five km. west of Paghman.  
268440. Col. No. 218. Five km. west of Paghman.  
268441. Col. No. 219. Five km. south of Paghman.  
268442. Col. No. 224. Five km. south of Paghman.  
268443. Col. No. 230. Paghman.
- 268444 to 268475. Agronomy plots, Kabul University.
- |                       |                       |
|-----------------------|-----------------------|
| 268444. Col. No. 232. | 268459. Col. No. 247. |
| 'Aakoli Herat'.       | 268460. Col. No. 248. |
| 268445. Col. No. 233. | 268461. Col. No. 249. |
| 'Cherikar'.           | 268462. Col. No. 250. |
| 268446. Col. No. 234. | 268463. Col. No. 251. |
| 268447. Col. No. 235. | 268464. Col. No. 252. |
| 268448. Col. No. 236. | 268465. Col. No. 253. |
| 268449. Col. No. 237. | 268466. Col. No. 254. |
| 268450. Col. No. 238. | 268467. Col. No. 255. |
| 268451. Col. No. 239. | 268468. Col. No. 256. |
| 268452. Col. No. 240. | 268469. Col. No. 257. |
| 268453. Col. No. 241. | 268470. Col. No. 258. |
| 268454. Col. No. 242. | 268471. Col. No. 259. |
| 268455. Col. No. 243. | 268472. Col. No. 260. |
| 268456. Col. No. 244. | 268473. Col. No. 261. |
| 268457. Col. No. 245. | 268474. Col. No. 262. |
| 268458. Col. No. 246. | 268475. Col. No. 263. |

**268351 to 268481—Continued**

268476. *VICIA ERVILIA* (L.) Willd. Fabaceae. **Bittervetch.**  
Col. No. 278. Kabul bazaar.
268477. *VICIA FABA* L. **Broadbean.**  
Col. No. 283. 'Bakoli'. Kabul bazaar.
268478. *LATHYRUS SATIVUS* L.  
Col. No. 187. 'Kalur'. Paghman, 20 km. northwest of Kabul.
- 268479 and 268480. *PISUM ELATIUS* Bieb.  
268479. Col. No. 294. 'Mashung'. Kabul bazaar.  
268480. Col. No. 317. Kabul bazaar.
268481. *ZEA MAYS* L. Poaceae. **Corn.**  
Col. No. 200. 'Jam-or'. Paghman, 20 km. northwest of Kabul. Pop-corn.

**268482 to 268468.**

From Great Britain. Plants presented by the Royal Botanic Garden, Kew, Richmond, England. Received Oct. 8, 1960.

268482. *RHODODENDRON LOCHAE* F. Muell. Ericaceae.
268483. *RHODODENDRON MULTICOLOR* Miq.
268484. *RHODODENDRON* × *BALSAMIFLORUM* Veitch  
'Ne Plus Ultra'.
268485. *RHODODENDRON* × *TAYLORI* Veitch
268486. *ROUPALA MACROPHYLLA* Pohl Proteaceae.  
'Corcovadensis'.

**268487 to 268490.**

From India. Seeds presented by the Coorg Fruit Research Station, Chethalli, Mysore State. Received Oct. 10, 1960.

268487. *CITRUS MADERASPATANA* Hort. ex Tanaka Rutaceae.  
'Belladakithuli'.
268488. *CITRUS PENNIVESICULATA* (Lushington) Tanaka  
'Baduvapuli'.
268489. *CITRUS RETICULATA* Blanco **Mandarin orange.**  
'Coorg Orange'.
268490. *CITRUS SINENSIS* (L.) Osbeck **Orange.**  
'Sathgudi'.

**268491 to 269135. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From Rhodesia. Seeds presented by the Mount Makulu Research Station, Chilanga. Received Oct. 11, 1960.

- AB denotes alternate branching bunch variety.  
AR denotes alternate branching runner variety.  
SB denotes sequential branching bunch variety.  
BC denotes from Tozi collection, Sudan.  
IN59 denotes a 1959 introduction into Rhodesia.  
SR denotes Southern Rhodesia strain collected in 1959.

268491. BC99. A33-1. 268493. BC101. 'Gandajika 65'.  
268492. BC100. A36X. 268494. BC102. 'Gandajika 66'.



## 268491 to 269135—Continued

268495. BC103. 'Abu Arbaa'.	268533. SB15. S/A6.
268496. BC104. 'Bulindi'.	268534. SB16. B227.
268497. BC105. 'Bassanga'.	268535. SB17. SA/A7.
268498. BC106. JE56.	268536. SB18. C118.
268499. BC107. From Kordofan. Cent. Africa.	268537. SB19. C117.
268500. BC108. 'Kigan'.	268638. BC200. 'Manyema 119a'.
268501. BC109. 'Kumawu'.	268639. BC201. SA 43-G-90a-1.
268502. BC110. Ex Manyema, Uganda.	268540. SB22. 'Amendoim V53'.
268503. BC111. 'Mubene'.	268541. SB23. 'Rouge de Plovdiv'.
268504. BC113. 'Teso Bunch'.	268542. SB24. 'Turo'.
268505. BC114. 'Toro'.	268543. SB25. 'Kongwa Red'.
268506. BC115. 'Valencia Nzega'.	268544. SB26. 'Kongwa Red/1'.
268507. BC116. 'Valencia Tabora'.	268545. SB27. B724.
268508. BC117. 'Valencia Ukiriguru'.	268546. SB28. A14.
268509. BC118. 'Valencia Kongwa'.	268547. SB29. K.C.A.
268510. BC119. From Cuba.	268548. SB30. Sinyala selection.
268511. BC120. A26.	268549. SB31. 'Kumani'.
268512. BC121. A30-1.	268550. SB32. 'Nhamburgharea'.
268513. BC122. 'Zanele'.	268551. SB33. 'Uganda Erect'.
268514. BC123. 'Vagna Nagna'.	268552. SB34. 'Solontoni'.
268515. BC125. 'Guayabita Bunch A1'.	268553. SB35. 'Valencia Solonton'.
268516. BC126. A17-2.	268554. SB37. 'Apaxuc 322'.
268517. BC127. 'Valencia ex S. A.'.	268555. SR1. 'Valencia'. From Ngezi Reserve.
268518. BC129. 'Argentine No. 7'.	268556. SR2. 'Native Valencia 93'.
268519. BC130. 'Kopergaon 3'.	268557. IN59-15. 'Valencia 173'. From U.S.S.R.
268520. SB1. 'Valencia Bunch' ex 'Potchefstroom'.	268558. IN59-16. 'Valencia K263'. From U.S.S.R.
268521. SB2. B736.	268559. IN59-17. 'Valencia K322'. From U.S.S.R.
268522. SB4. 'Red Bassanga'.	268560. 'Local Valencia'.
268523. SB5. 'Kumawu'.	268561. BC131. 'Kongwa Red'.
268524. SB6. 'Mubendi'.	268562. BC132. 'Short Valencia S.A.'.
268525. SB7. 'Mbale Bunch'.	268563. BC80. MJ.374.
268526. SB8. 'Teso Bunch'.	268564. BC81. A 15.
268527. SB9. 'Abu Arabaa'.	268565. BC82. A 11.
268528. SB10. 'Atuboi'.	268566. BC83. 'Argentine 3'.
268529. SB11. B735.	268567. BC84. 'Porto Alegre'.
268530. SB12. 'Gandajika A65'.	268568. BC86. 'Coriante'.
268531. SB13. B700.	268569. SB38. 'Porto Alegre'.
268532. SB14. B701.	268570. IN59-18. 'Purple Valencia 175'. From U.S.S.R.

## 268491 to 269135—Continued

268571. IN59-59. 'Chiyeye  
I/58/158'.  
 268572. BC133. 'Argentine No.  
11'.  
 268573. SB39. 'Rabat No. 27'.  
 268574. SB40. P2095.  
 268575. SR3. 'Murambatswina  
18'.  
 268576. SR5. 'Murambatswina  
20B'.  
 268577. SR6. 'Chimbuwila Large  
Leaf 219'.  
 268578. SR7. 'Chimbuwila Large  
Leaf 220'.  
 268579. BC140. A33-3.  
 268580. BC134. 'Kano'.  
 268581. BC135. A10.  
 268582. BC136. A27.  
 268583. BC137. A31.  
 268584. BC138. A32.  
 268585. BC139. A33-2.  
 268586. SB41. 'Amendoim V32'.  
 268587. SB42. 'Amendoim V54'.  
 268588. SB43. A31.  
 268589. SB44. 'Kano'.  
 268590. IN59-20. 'Red Manyema  
235'. From U.S.S.R.  
 268591. BC87. A30.  
 268592. BC88. JE59.  
 268593. BC89. 'Kidang'.  
 268594. BC90. A17X-1.  
 268595. BC92. Sa43-G-90a.  
 268596. SB45. 'Kidang Batavia'.  
 268597. SB46. 43-G-66 CPI.  
12036.  
 268598. SB47. 'Apaxuc 494'.  
 268599. SR8. 'Red Manyema'.  
From Ngezi Reserve.  
 268600. SR9. 'Kasawayira 110'.  
 268601. IN59-19. 'Red Manyema  
389'. From U.S.S.R.  
 268602. BC85. 'Gandajika 40'.  
 268603. SB48. 'Amendoim V20'.  
 268604. BC141. A28.  
 268605. BC142. B730-1.  
 268606. BC143. 'Pink Valencia'.  
 268607. BC144. A35.  
 268608. SB49. 'Siam 1'.  
 268609. SB50. B729.  
 268610. SB51. 'Apaxuc 362'.  
 268611. IN59-24. 52. From  
U.S.S.R.  
 268612. BC174. 'Gadjah 61'.  
 268613. BC175. B730-2.  
 268614. BC176. B237.  
 268615. BC177. A3-1-3.  
 268616. BC178. B719.  
 268617. BC179. Strain 10.  
 268618. BC180. A17.  
 268619. BC181. 'Schworz 21'.  
 268620. BC182. A18.  
 268621. BC183. Strain 41.  
 268622. BC184. B688.  
 268623. BC185. A32-1.  
 268624. BC186. A36.  
 268625. BC187. A13.  
 268626. BC188. 'Magale 1'.  
 268627. BC189. 'Manyema Bunch'.  
 268628. BC190. 'Manyema  
Nyassa'.  
 268629. BC191. 'Manyema  
Nsega'.  
 268630. BC192. 'Manyema  
Tanganyika'.  
 268631. BC193. 'Manyema  
Kongwa'.  
 268632. BC194. A19-1.  
 268633. BC195. B725.  
 268634. BC196. 'Badongo'.  
 268635. BC197. 'Manyema  
Kutambaa'.  
 268636. BC198. 'Mputa B146-2'.  
 268637. BC199. 'Manyema 119'.  
 268638. BC 200. 'Manyema 119a'.  
 268539. BC210. SA 43-G-90a-1.  
 268640. BC202. 'Maseni'.  
 268641. BC203. A32-1-1.  
 268642. SB53. 'Manyema Nzega'.  
 268643. SB54. B/19.  
 268644. SB55. 'Bambey 47-5'.  
 268645. SB56. B688.

## 268491 to 269135—Continued

268646. SB57. 'Manyema Nzega'.  
 268647. SB58. 'Manyema Tanganyika'.  
 268648. SB59. 'Schwarz 21'.  
 268649. SB60. BB2.  
 268650. SB61. 'Amendoim V-76'.  
 268651. SB62. 'Gadjah 61'.  
 268652. SB63. 'Amendoim V69'.  
 268653. SB64. 'Ex Gadjah 61'.  
 268654. SB65. Ex B730-2.  
 268655. SB66. 'Chimonko I/58/39/1'.  
 268656. SB67. 'Chimonko I/58/39/2'.  
 268657. SB68. 'Apaxuc 382'.  
 268658. SR10. 'Chigwadara 63'.  
 268659. IN59-23 K472. From China.  
 268660. IN59-25 K443. From China.  
 268661. SB52. 'Apaxuc 370'. From U.S.S.R.  
 268662. IN59-21 K382. From U.S.S.R.  
 268663. IN59-22 K370. From U.S.S.R.  
 268664. B93 BC. 'Japanese'.  
 268665. B94 BC. 'Red Spanish'.  
 268666. B95 BC. 'Red Kernel' type.  
 268667. B96 BC. 'Natal'.  
 268668. SB69. 'Rabat No. 34'.  
 268669. SB70. 'Red Kernel'.  
 268670. SB71. 'Japanese Bunch'.  
 268671. SB72. 'Japanase'.  
 268672. SB73. 'Red Spanish'.  
 268673. SB74. 'Red Spanish'.  
 268674. SB75. 47-G-114.  
 268675. SB76. 'Red Spanish/2'.  
 268676. SB77. 'Red Spanish/3'.  
 268677. SR11. 'White Natal'. From Ngezi Reserve.  
 268678. SR12. 'Kasawayira Kaduku 9'.  
 268679. SR13. 'Kasawayira Kaduku 92'.  
 268680. BC228. B688-1.  
 268681. BC229. 'Large Natal 139-1'.  
 268682. BC230. 'Large Natal 142'.  
 268683. BC231. TMV2.  
 268684. BC232. TMV2-1.  
 268685. BC233. 'Large Natal 147'.  
 268686. BC234. B730-3.  
 268687. SB78. 'Bambey 41-37'.  
 268688. SB79. 'Bambey 40-93'.  
 268689. SB80. 'Philippine Pink'.  
 268690. SB81. Ex TMV2.  
 268691. SB SR16. 'Chivende 39'.  
 268692. SR17. 'Matawa 56'.  
 268693. SR18. 'Chimbaura 60'.  
 268694. SR19. 'Chimbaura 65'.  
 268695. BC204. Strain 32.  
 268696. BC205. 'Natal Common'. From South Africa.  
 268697. BC206. B728-1.  
 268698. BC207. A3-1-2.  
 268699. BC208. 'Natal Common 139'.  
 268700. BC210. 'Barberton'. From E.C.G.C.  
 268701. BC211. 'Barberton ECR4202'.  
 268702. BC212. B717.  
 268703. BC213. B713.  
 268704. BC214. B727.  
 268705. BC215. B729.  
 268706. BC216. B753.  
 268707. BC217. 'Gambia Bunch'.  
 268708. BC218. JE61.  
 268709. BC219. JE67B.  
 268710. BC220. 'Natal Common'. From Swaziland.  
 268711. BC221. 'Klondeish'.  
 268712. BC222. 'Indian Bunch'.  
 268713. BC223. K38-1-1.  
 268714. BC224. 'Natal I 4'.  
 268715. BC225. 'Guayabita Bunch A.2'.  
 268716. BC226. 'Mputa B146-3'.  
 268717. BC227. Strain 6608.  
 268718. SB82. 'Barberton'.



## 268491 to 269135—Continued

268719.	SB83.	B727.	268756.	SB118.	B732.
268720.	SB84.	B730.	268757.	SB120.	'Bambey 24-88'.
268721.	SB85.	B725.	268758.	SB121.	'Kartoum'.
268722.	SB86.	'Super Khondeish'.	268759.	SB122.	'Masambika'.
268723.	SB87.	'Natal Common 121'.			From Potchefstroom.
268724.	SB88.	'Natal Common 16'.	268760.	SB123.	'Chimonko 159/39/4'.
268725.	SB89.	'Spanish'.	268761.	SB151.	'Variety 809'.
268726.	SB90.	SP146.	268762.	SB152.	B737-1.
268727.	SB91.	B728.	268763.	SB153.	JE55.
268728.	SB92.	T/A6.	268764.	SB154.	B703.
268729.	SB93.	B715.	268765.	SB155.	A12.
268730.	SB95.	'Barberton'.	268766.	BC160.	B239.
	C.P.I.	12030.	268767.	BC161.	JE67A.
268731.	SB96.	B733.	268768.	BC162.	'Super Khondeish'.
268732.	SB97.	'Early Ripening Bunch'.	268769.	BC163.	'U.K.A. Factus'.
268733.	SB98.	'Lusaka D'.	268770.	BC164.	A3-1-1.
268734.	SB99.	Strain 608. C.P.I. 12011.	268771.	BC165.	B353.
268735.	SB100.	'Spanish Khondeish'. From Somaliland.	268772.	BC166.	'Magale 2'.
268736.	SB102.	TMV2.	268773.	BC167.	'Spanish 139'.
268737.	SB105.	B717.	268774.	BC169.	K38-1-2.
268738.	SB106.	'Alpha'.	268775.	BC170.	K38-1-4.
268739.	SB107.	'Mani Blanca'.	268776.	BC171.	'Spanish I-14'.
268740.	SB108.	47-G-19.	268777.	BC172.	'Improved Spanish I-15'.
268741.	SB109.	B727.	268778.	BC173.	'Spanish I-9'.
268742.	SB110.	'Small Brown'.	268779.	SB124.	'Rabat No. 30'.
		From Mwitunde.	268780.	SB125.	'Rabat No. 1'.
268743.	SB111.	TMV2.	268781.	SB126.	'Imperial Spanish'.
268744.	SB112.	'Weerawila'.	268782.	SB127.	'Rabat No. 3'.
268745.	SB114.	'Gambia B'.	268783.	SB128.	N 703.
268746.	SB115.	'Kalete Natal'.	268784.	SB129.	B 703/1.
268747.	SB116.	'Natal B725'.	268785.	SB130.	B239.
268748.	SR14.	'Chidanja 35'.	268786.	SB131.	B730.
268749.	SR15.	'Kasawayira Kaduku 79'.	268787.	SB132.	B704.
268750.	BC78.	AB.	268788.	SB133.	'Rabat No. 4'.
268751.	BC79.	'Pearl 4'.	268789.	SB134.	B237.
268752.	BC146.	A6.	268790.	SB135.	AM3.
268753.	BC147.	'Bambey 28-204-1'.	268791.	SB136.	SP146.
268754.	BC149.	'Spanish 5'.	268792.	SB137.	N703/2.
268755.	SB117.	'Masambika'.	268793.	SB138.	B704.
			268794.	SB140.	'Gambia Bunch D'.

## 268491 to 269135—Continued

268795. SB141. 'Kalindi'.  
 268796. SB142. B353.  
 268797. SB143. 'Gambia A'.  
 268798. SB144. 'Rabat No. 32'.  
 268799. SB145. 'Rabat No. 37'.  
 268800. SB146. 'Bambey 28-204'.  
 268801. SB147. 'Bambey 47-9'.  
 268802. SB148. B737.  
 268803. SB149. ECR 4202.  
 268804. SB150. 809.  
 268805. SB151. 'SP. Standard'.  
 268806. SB152. B737.  
 268807. SB153. Strain 809 S.  
 268808. SB154. 'Spanish Bunch'.  
 268809. SB155. 'Spanish Ap.205'.  
 268810. SB156. B713.  
 268811. SB157. B715.  
 268812. SB158. 'Spanish Sp.702'.  
 268813. SB159. 'Imperial Spanish'.  
 268814. SB160. 'Peradeniya'.  
 268815. SB161. 'Chimonko I58/39/3'.  
 268816. SB162. 'Chimonko I58/39/5'.  
 268817. SB163. NC.48.  
 268818. SB164. 'Apaxuc 319'.  
 268819. SR20. 'Spanish'.  
 From Ngezi Reserve.  
 268820. SR21. 'Kaboko 80'.  
 268821. SR22. 'Chitulwane 85'.  
 268822. IN59-1. 'Spanish 147'.  
 From U.S.S.R.  
 268823. IN59-2. 'Spanish 62'.  
 From U.S.S.R.  
 268824. IN59-3. 'Banbey'.  
 From Morocco.  
 268825. IN59-4. 'Sankania'.  
 From Morocco.  
 268826. IN59-5. 'Spanish 57'.  
 From U.S.S.R.  
 268827. IN59-6. 'Spanish 87'.  
 From U.S.S.R.  
 268828. IN59-7. 'Spanish 178'.  
 From U.S.S.R.  
 268829. IN59-8. 'Spanish 223'.  
 From U.S.S.R.  
 268830. IN59-9. 'Small Spanish K262'.  
 From U.S.S.R.  
 268831. IN59-10. 'Spanish K319'.  
 From U.S.S.R.  
 268832. IN59-11. 'Spanish K446'.  
 From China.  
 268833. IN59-12. 'Spanish K445'.  
 From China.  
 268834. IN59-13. 'Spanish K473'.  
 From China.  
 268835. IN59-14. 'Spanish K491'.  
 From China.  
 268836. AB1. 'Mani Pintar I'.  
 268837. AB2. 'Mani Pintar II'.  
 268838. AB3. 'Red ex Mani'.  
 268839. AB4. 'Red ex Mani Pintar II (AS1)'.  
 268840. AB5. 'Small Brown ex Mani Pintar II'.  
 268841. AB6. 'Brown Speckled ex Mani Pintar II'.  
 268842. AB7. 'Large Brown ex Mani Pintar II'.  
 268843. AB9. 'Brown ex Mani Pintar I'.  
 268844. AB12. 'Wima Bunch'.  
 268845. AB13. 'Mgango Nzega'.  
 268846. AB14. 'Kanyoma K150'.  
 268847. AB15. 'Kanyoma K160'.  
 268848. AB16. 'Kanyoma K181'.  
 268849. AB17. 'Kanyoma K246'.  
 268850. AB18. 'Kanyoma K260'.  
 268851. AB19. AH2.  
 268852. AB21. 'Mwanza'.  
 268853. AB22. 'Chitedze Mwitunde'.  
 268854. AB23. 'Matevere'.  
 268855. AB24. 'Kanyoma K86'.  
 268856. AB25. 'Kutambaa'.  
 268857. AB26. 'Ashford'.  
 268858. AB27. SA/A5.  
 268859. AB28. SA/A6.  
 268860. AB30. 'Brown ex Mwitunde'.  
 268861. AB31. 'Virginia Bunch'.  
 From Queensland.  
 268862. BC36. 'Wima'.

## 268491 to 269135—Continued

- |   |  |
|---|--|
| 268863. BC37. 'Mgango'.                             | 268897. AB50. 'Virginia Bunch'.<br>From Australia. |
| 268864. BC38. 'Kenyoma<br>Nkonjela'.                | 268898. AB52. 'Konyoma'.                           |
| 268865. BC39. 'Mwitundi'.                           | 268899. AB53. 'Bambey 47-20'.                      |
| 268866. BC40. 'Matevere'.                           | 268900. AB54. S/A8.                                |
| 268867. BC41. 'Tunduru Bunch'.                      | 268901. AB55. 'Variety 68'.                        |
| 268868. BC42. 'Katambaa 1.'                         | 268902. AB56. 'Valencia Bunch'.                    |
| 268869. SR25. 'Mazwe 49'.                           | 268903. AB57. 'Early Ripening<br>Bunch'.           |
| 268870. SR26. 'Chimbuwila 190'.                     | 268904. AB58. 'Giza Bunch'.                        |
| 268871. AB34. SA/A7/C.                              | 268905. AB59. 'Early Ripening<br>Bunch 1'.         |
| 268872. AB35. A.21.                                 | 268906. AB60. 'Castle Cary'.<br>From Ghana.        |
| 268873. AB36. S.731.                                | 268907. AB61. 'Amendoim V.265'.                    |
| 268874. AB37. 'Virginia Bunch 2'.                   | 268908. AB62. 'American'.                          |
| 268875. AB38. 'Virginia Bunch'.<br>From Somaliland. | 268909. AB63. 'Jur'.                               |
| 268876. AB39. 'Variety 78'.                         | 268910. AB64. 'Beladi Bunch'.                      |
| 268877. AB43. 'Amendoim V263'.                      | 268911. AB65. 'Bambey 28-214B'.                    |
| 268878. AB44. 'Virginia Bunch'.<br>From Tanganyika. | 268912. AB66. 'Bambey 28-206'.                     |
| 268879. BC30. A.22.                                 | 268913. AB67. T.U.R.                               |
| 268880. BC31. 'Virginia Bunch<br>335a'.             | 268914. AB70. TMV. 3.                              |
| 268881. BC33. NA2/40.                               | 268915. AB71. 'Tamale Local'.                      |
| 268882. BC35. 'Ahmer Mogy'.                         | 268916. AB72. MD. 351.                             |
| 268883. SR27. 'Chizezura 2'.                        | 268917. AB74. 'Bambey 48-89'.                      |
| 268884. IN59-32. K474. From<br>China.               | 268918. AB76. 'Samaru'.                            |
| 268885. IN59-33. K475. From<br>China.               | 268919. AB77. 'Castle Cry'.<br>From Trinidad.      |
| 268886. IN59-34. K480. From<br>China.               | 268920. AB78. 48-7.                                |
| 268887. IN59-35. K481. From<br>China.               | 268921. AB84. 48-36.                               |
| 268888. IN59-47. K421. From<br>China.               | 268922. AB86. 'Castle Cary 44'.                    |
| 268889. IN59-48. K442. From<br>China.               | 268923. AB51. BSI.                                 |
| 268890. AB45. 'Mwitunde'.                           | 268924. BC 43. 'Virginia 336a'.                    |
| 268891. AB46. 'Bambey 37-10'.                       | 268925. BC44. 'Villa Thuret 330a'.                 |
| 268892. AB47. 43-G-90.                              | 268926. BC45. B51.                                 |
| 268893. BC29. 'Asiriya<br>Mwitunde'.                | 268927. BC46. 'Fung Bunch'.                        |
| 268894. AB10. 'Brown ex Mani<br>Pintar II'.         | 268928. BC47. 'Kutambaa'.                          |
| 268895. AB48. 'Kanyoma K131'.                       | 268929. BC48. MH. 372.                             |
| 268896. AB49. 'Bambey 47-73'.                       | 268930. BC49. K.38.                                |
|   | 268931. BC50. 'Valencia 67-149'.                   |
|   | 268932. BC51. 'Castle Cary'.                       |
|   | 268933. BC52. 'Jur'.                               |
|   | 268934. BC53. 'Medani Erect'.                      |
|   | 268935. BC54. A19.                                 |



## 268491 to 269135—Continued

268936. BC55. MH 382.	268975. BC28. TMV.3.
268937. BC56. 'Giza Bunch'.	268976. AR115. 'Red ex Bemba 2'.
268938. BC57. 'Morocco Bunch'.	268977. IN59-56. 'Red Local 158/162'.
268939. BC58. 'American B'.	268978. IN59-57. 'Red Local (Solonteni)' 158/83'.
268940. BC59. 'Beladi Bunch'.	268979. AR116. 'Kaipike 158/18'.
268941. BC62. ML.378.	268980. AR117. 'Kaipike 158/15'.
268942. BC63. 'Spreading Bunch I 16'.	268981. AR118. 'White Local 1'.
268943. BC64. 'Spreading Bunch I 17'.	268982. AR119. 'White Local 2'.
268944. BC65. 'Ashford'.	268983. AR120. 'White Chimonko 158/81'.
268945. BC66. 'Cabri'.	268984. IN59-51. 'White Kaipike 158/15'.
268946. BC67. 'B.423 Kawanda'.	268985. IN59-52. 'Small White Kaipike ex 158/15'.
268947. BC68. 'Tamale'.	268986. IN59-53. 'White Chimonko 158/81'.
268948. BC69. AH.46481.	268987. IN59-54. 'Small Chimonko ex 158/81'.
268949. IN59-28. K.477. From China.	268988. IN59-55. 'White Chimonko 158/157'.
268950. IN59-29. K.476. From China.	268989. AR4. 'Gambia Spreading'.
268951. IN59-30. K.478. From China.	268990. AR5. 'Bambey 36-55'.
268952. AB11. 'Matevere'.	268991. AR6. Runner type.
268953. AB20. 'AH2 Wimba Bunch'.	268992. AR7. 'Kusasi'.
268954. AB75. MH.382.	268993. AR9. 'Gandajika'.
268955. AB79. 48-14.	268994. AR10. 'Castle Cary'.
268956. AB80. 48-15A.	268995. AR11. 'Kalisere Local'.
268957. AB81. 48-21.	268996. AR12. 'Bambey 36050'.
268958. AB82. 48-34.	268997. AR13. TMV.1.
268959. AB83. 48-35.	268998. AR14. 'Madi'.
268960. AB85. 48-37.	268999. AR15. 'Local Spreading'.
268961. AB87. 48-45.	269000. AR16. S.721.
268962. AB73. 'Bambey 48-89'.	269001. AR17. S.183.
268963. BC70. 'Samaru 38'.	269002. AR18. S.716.
268964. BC71. 'Bambey 28-206'.	269003. AR19. S.718.
268965. BC77. A20-2.	269004. AR20. S.722.
268966. AR1. 'Bambey 45-49'.	269005. AR21. S.723.
268967. AR2. 'Bambey 24-11'.	269006. AR22. S.726.
268968. BC21. 'Bambey 24-11'.	269007. AR23. S.183.
268969. BC22. 'Pondicherry'.	269008. AR24. 'Kongwa Mixed'.
268970. BC23. 'Bambey 29-70'.	269009. AR25. 'Bemba 1'.
268971. BC24. 'Indian Runner'.	269010. AR26. 'Mulwe Local'.
268972. BC25. 'Bambey 25-56'.	269011. AR27. 'Chitonga'.
268973. BC26. A3.	
268974. BC27. 'Bambey 24-48'.	

## 268491 to 269135—Continued

269012. AR28. 'Malozi 1'.	269054. BC1. A20-1.
269013. AR29. 'Malozi 2/1'.	269055. BC2. 'Ndala 3'.
269014. AR30. 'Nkoya 1'.	269056. IN59-36. K482. From China.
269015. AR31. 'Nkoya 2/1'.	269057. IN59-37. K483. From China.
269016. AR32. 'Mambunda 2'.	269058. IN59-38. K484. From China.
269017. AR33. 'Mambunda 3'.	269059. IN59-39. K486. From China.
269018. AR34. 'Kalobolelwa 3'.	269060. IN59-40. K487. From China.
269019. AR35. 'Kasakala'.	269061. IN59-42. K489. From China.
269020. AR36. 'Mulwe Local'.	269062. IN59-43. K490. From China.
269021. BC4. 'TWV.1-Madras'.	269063. IN59-44. K493. From China.
269022. BC5. A14X.	269064. IN59-45. 69. From U.S.S.R.
269023. BC6. A7.	269065. IN59-46. 'Koulikoro'. From Morocco.
269024. BC7. A21.	269066. AR3. 'Muloya Tunduru'.
269025. BC9. 'Madi Kawanda'.	269067. AR122. 'Kaonde 1/2'.
269026. BC10. 'Beladi Runner'.	269068. AR55. AM5.
269027. BC11. S720.	269069. AR56. 'Hong Kong'.
269028. BC12. 'Kongwa Runner'.	269070. AR57. AM1.
269029. BC13. A13X.	269071. AR58. 'Guerte Niaye'.
269030. BC14. 'Marabba Runner 2'.	269072. AR59. 42-G-105.
269031. BC15. 'Muloya Tunduru'.	269073. AR60. 'Nsenga'.
269032. BC16. 'El Muira'.	269074. AR61. 'Nyandongo'.
269033. BC17. 'Ndala-1'.	269075. AR62. 'Malozi 3'.
269034. BC18. B.423-1.	269076. AR63. 'Chalimbana'.
269035. BC19. A16.	269077. AR64. 'Nkoya 2/2'.
269036. BC20. Spreading type.	269078. AR65. 'Mambunda 4'.
269037. SR23. 'Chizezura 4'.	269079. AR66. 'Bemba 6'.
269038. AR121. 'Congo Purple'.	269080. AR67. 'Smooth Jumbo ex A.M.I.'
269039. AR39. 'Bambey 47-53'.	269081. AR68. 'Smooth Jumbo ex A.M.4.'
269040. AR40. 'St. Vincent Local'.	269082. AR69. 'Mayoba 158/82/1'.
269041. AR41. AM2.	269083. AR70. 'Mayoba 158/82/3'.
269042. AR42. 'Chine 1'.	269084. AR71. 'Mayoba 158/82/4'.
269043. AR43. 'Ngoni'.	269085. AR72. 'Flat Jumbo 158/80/1'.
269044. AR44. 'Malovale 2'.	
269045. AR45. 'Malozi 2/2'.	
269046. AR46. 'Luwingu 2'.	
269047. AR47. 'Luwingu 1'.	
269048. AR48. 'Ndoba Misc.'	
269049. AR49. 'Ndoba NCR2'.	
269050. AR50. 'Bemba 3'.	
269051. AR51. 'Mambunda 2/1'.	
269052. AR52. 'Congo Red 5'.	
269053. AR54. AM4.	

**268491 to 269135—Continued**

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| 269086. AR73. 'Mayoba<br>158/80/2'.        | 269113. IN59-26. 'Cote d'Ivoire<br>236'. From Morocco. |
| 269087. AR74. 'Flat Jumbo ex<br>Kaonde/1'. | 269114. IN59-31. K492. From<br>China.                  |
| 269088. AR75. 'Congo Red 1'.               | 269115. AR96. 'Mbawa Runner'.                          |
| 269089. AR76. 'Congo Red 2'.               | 269116. AR97. 'Tunduru'.                               |
| 269090. IN59-50. K485. From<br>China.      | 269117. AR98. SA/A7/B.                                 |
| 269091. AR123. 'Ndoba NCR5'.               | 269118. AR99. NRN3.                                    |
| 269092. AR77. 'Kalindi'.                   | 269119. AR100. 'Bemba 4'.                              |
| 269093. AR78. S720.                        | 269120. AR101. 'Bemba 5'.                              |
| 269094. AR79. 43-G-44. CPI.<br>12031.      | 269121. AR102. 'Ndoba 3K'.                             |
| 269095. AR80. 'Chimbuwila'.                | 269122. AR103. 'Ndoba Small<br>3K'.                    |
| 269096. AR81. MJ.374.                      | 269123. AR104. 'Kaonde 1/1'.                           |
| 269097. AR82. 'Kapwoto'.                   | 269124. AR105. 'Mapangazia'.                           |
| 269098. AR83. 'Hong Kong'.                 | 269125. AR106. 'Ndoba 2U'.                             |
| 269099. AR84. 'Ndoba NCR4'.                | 269126. AR107. 'Malovale 1'.                           |
| 269100. AR85. 'Chewa'.                     | 269127. AR108. 'Kanchomba'.                            |
| 269101. AR86. 'Bemba 8'.                   | 269128. AR109. NRN2.                                   |
| 269102. AR87. 'Ndoba NCR3'.                | 269129. AR110. 'Bemba 2'.                              |
| 269103. AR88. 'Ndoba NCR1'.                | 269130. AR111. 'Mayoba<br>158/82/2'.                   |
| 269104. AR89. 'Kalobolelwa 1'.             | 269131. AR112. 'Mayoba<br>158/80/3'.                   |
| 269105. AR90. 'Kalobolelwa 2'.             | 269132. AR113. 'Mayoba<br>158/14'.                     |
| 269106. AR91. 'Bemba 7'.                   | 269133. AR114. 'Large ex<br>Kalobolelwa 3'.            |
| 269107. AR92. 'Mapanza'.                   | 269134. IN59-27. 'Nhambiquarae'.<br>From Morocco.      |
| 269108. AR93. 'Congo Red 3'.               | 269135. IN59-58. 'Solobain'<br>(Valencia) I/58/17.     |
| 269109. AR94. 'Congo Red 4'.               |  |
| 269110. AR95. 'Congo Red 6'.               |  |
| 269111. SR4. 'Jumbo 37'.                   |  |
| 269112. SR24. 'Madukanunda 44'.            |  |

**269136. CITRUS PAPUANA F. M. Bailey Rutaceae.**

From New Guinea. Seeds presented by the Department of Agriculture and Fisheries, Port Moresby, Papua. Received Oct. 25, 1960.

Collected at Ganeboku, about seven miles inland from Talasea, New Britain district of New Guinea. Elevation 1,000 feet.

**269137 and 269138. SOLANUM TUBEROSUM L. Solanaceae.****Potato.**

From Germany. Tubers presented by the Max-Planck Institute, Koln-Vogelsang. Received Oct. 25, 1960.

269137. 55.957/96.

269138. 55.967/69 AcDST4.

**269139 to 269142. LYCOPERSICON ESCULENTUM Mill. Solanaceae.****Tomato.**

From the Netherlands. Seeds presented by the Bruinsma Hybrid Seed Company, Naaldwijk. Received Oct. 12, 1960.

269139. Rootstock K.

269141. Rootstock KV.

269140. Rootstock KN.

269142. Rootstock KVF.



**269143. ORYZA SATIVA L. Poaceae.**

From India. Seeds presented by the Central Rice Research Institute, Cuttack. Received Oct. 12, 1960.

C0-4.

**269144 to 269155.**

From Great Britain. Seeds presented by the Cambridge University Plant Breeding Institute, Cambridge, England. Received Oct. 12, 1960.

**269144 to 269149. AVENA SATIVA L. Poaceae.**

**Common oats.**

Spring types.

269144. 'Blenda'.

269147. 'Milford'.

269145. 'Condor'.

269148. 'Opus'.

269146. 'Maldwyn HF/59'.

269149. 'Penak'.

**269150 to 269155. HORDEUM VULGARE L. Poaceae.**

**Barley.**

269150. 'Domen'.

269153. 'Proctor'.

269151. 'Fresa'.

269154. 'Rika'.

269152. 'Maythorpe'.

269155. 'Wisa'.

**269156 to 269158. ORYZA SATIVA L. Poaceae.**

**Rice.**

From Viet-Nam. Seeds presented by the Director of National Agriculture, Saigon. Received Oct. 12, 1960.

Saline water resistant varieties.

269156. 'Nang Ech'. Midseason rice.

269157. 'Nang Keo'.

269158. 'Nang Quot'. Early rice.

**269159. BIXA ORELLANA L. Bixaceae.**

**Anatto-tree.**

From Argentina. Seeds presented by the Division of Plant Exploration and Introduction, Buenos Aires. Received Oct. 13, 1960.

'Urucu'. Tree to 4 meters, high; leaves heart shaped, 15 cm. long; flowers showy, pink, in terminal clusters; capsule heart shaped, 5 cm. long, dark red, covered with rigid hairs; seeds many, angular, covered with orange-red pulp, source of the annatto dye.

**269160. FICUS INDICA L. Moraceae.**

**Fig.**

From the Philippines. Seeds presented by the Agricultural Experiment Station, University of California, Riverside, California. From Laguna, Luzon, Philippine Islands. Received Oct. 17, 1960. Has banyanlike growth habit.

**269161 to 269163. SACCHARUM (hybrids). Poaceae.**

**Sugarcane.**

From India. Cuttings presented by the Sugarcane Breeding Institute, Coimbatore. Received Oct. 17, 1960.

269161. Co. 929.

269162. SES 288.

269163. SES 309.

**269164 and 269165.**

From Angola. Seeds presented by the Junta de Exportacao do Cafe, Luanda. Received Oct. 18, 1960.

269164. COFFEA CANEPHORA var. GOSSWEILERI Chev. Rubiaceae.

269165. COFFEA CANEPHORA var. LAURENTII (De Wild.) Chev.

**269166 and 269167. HORDEUM VULGARE L. Poaceae. Barley.**

From Spain. Seeds presented by the World Collection of Small Grains, Lerida. Received Oct. 18, 1960.

269166. No. 160. Farmer's lot.

269167. No. 161. Elevator lot. Grown at Solsona.

**269168. MEDICAGO SATIVA L. Fabaceae.****Alfalfa.**

From Spain. Seeds presented by the United States Operations Mission, Tunisia. Received Oct. 18, 1960.

'Subterraneum Crown'. Plants to eight feet in diameter, prostrate. Used as dryland pasture for cattle.

**269169 to 269196. AVENA SATIVA L. Poaceae. Common oats.**

From Great Britain. Seeds presented by the Plant Breeding Institute, Cambridge, England. Received Oct. 18, 1960.

Turkish selections.

269169. 733. 269176. 4290.

269170. 936. 269177. 4291.

269171. 948. 269178. 4292.

269172. 4285. 269179. 4293.

269173. 4286. 269180. 4294.

269174. 4287. 269181. 4295.

269175. 4288. 269182. 4296.

Yugoslavian varieties.

269183. 'Beljski'. 269190. 'Pozega'.

269184. 'Lvilbreg'. 269191. Z1.

269185. 'Lipik'. 269192. Z14.

269186. 'Novosadski I'. 269193. Z24.

269187. 'Novosadski II'. 269194. Z27 (Z47).

269188. 'Novosadski IV'. 269195. Z43.

269189. 'Osijek'. 269196. Z202.

**269197 to 269205. SACCHARUM (hybrids). Poaceae.****Sugarcane.**

From the British West Indies. Cuttings presented by the British West Indies Central Sugarcane Station, Barbados. Received Oct. 18, 1960. Grown at the Codrington and Groves Agricultural Station.

269197. B.45137. 269202. B.52405.

269198. B.51410. 269203. B.53164.

269199. B.51414. 269204. B.54142.

269200. B.51415. 269205. B.54172.

269201. B.51418.

**269206 to 269210. PHASEOLUS VULGARIS L. Fabaceae.****Common bean.**

From Peru. Seeds presented by the Estacion Experimental Agricola de la Molina, Lima. Received Oct. 18, 1960.

All are pole beans; reported to have no resistance to the common diseases, rust, powdery mildew and common mosaic.

269206. 'Bayo Agronomia LM 57'. 269209. 'Negro'.

269207. 'Canario LM 57'. 269210. 'Plomo LM 57'.

269208. 'Cocacho LM 57'.

**269211 and 269212. HORDEUM MUTICUM Presl Poaceae.**

From Peru. Seeds presented by the International Cooperation Administration, United States Operations Mission, Lima. Received Oct. 19, 1960.

269211. From Nahuinpuquio.

269212. From Puno.

**269213 to 269219.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Oct. 19, 1960.

269213. *SORGHUM AUSTRALIENSE* Garber & Snyder Poaceae.

No. C. 845.

269214. *SORGHUM BREVICALLOSUM* Garber

No. C. 898.

269215. *SORGHUM INTRANS* F. Muell.

No. C. 1021.

269216. *SORGHUM LAXIFLORUM* F. M. Bailey

No. C. 876.

269217. *SORGHUM PLUMOSUM* (R. Br.) Beauv.

No. C. 894.

269218. *SORGHUM STIPOIDEUM* (Ewart & J. White) Gard. & Hubb.

No. W. 620.

269219. *SORGHUM* sp.

No. C. 1067.

**269220 and 269221. SOLANUM TUBEROSUM L. Solanaceae.**

**Potato.**

From Germany. Tubers presented by the Max-Planck Institute, Kohn-Volgensang. Received Oct. 20, 1960.

269220. 55.957/54.

269221. 55.957/63.

**269222 to 269226. BETA VULGARIS L. Chenopodiaceae. Beet.**

From Germany, Italy and the Netherlands. Seeds collected by G. H. Coons, Tobacco and Sugar Crops Research Branch, Plant Industry Station, Beltsville, Md. Received Oct. 24, 1960.

269222. No. 1. B.O.Z. 810/58. From Institut voor Rationele Suikerproductie, Bergen op Zoon, Netherlands. Virus yellows tolerant.

269223. No. 2. B.O.Z. 810/58. From Institut voor Rationele Suikerproductie, Bergen op Zoon, Netherlands. Virus yellows tolerant.

269224. P.O.G.T. '59. From Germany. Virus yellows tolerant.

269225. G.R. 2/K 23/58. From the Netherlands. Nematode resistant, not virus yellows resistant.

269226. Plants growing by the sea, 37 km. south of Leghorn, Italy.

**269227 to 269231.**

From Germany. Plants purchased from Georg Arends, Wuppertal-Ronsdorf. Received Oct. 25, 1960.

Hardy evergreen hybrid azaleas of unknown origin.

269227. *RHODODENDRON* (hybrid). Ericaceae.

'Multiflora'.



## 269227 to 269231—Continued

269228 to 269231. RHODODENDRON × ARENDSII Arends

269228. 'Agger'. Flowers lilac.

269229. 'Gloer'. Flowers salmon rose.

269230. 'Lingese'.

269231. 'Neye'. Flowers carmine.

## 269232 to 269236.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Oct. 26, 1960.

269232. CARICA PAPAYA L. Papayaceae. Papaya.

Coorg Honey. I.C. 7494.

269233. HOLOPTELEA INTEGRIFOLIA (Roxb.) Planch. Ulmaceae. India-elm.

269234. PENNISETUM ALOPECUROIDES (L.) Spreng. Poaceae.

E.C. 8898.

269235. PENNISETUM ALOPECURUS Steud.

I.W. 1765.

269236. PENNISETUM RAMOSUM C.Sm.

E.C. 7068.

## 269237 to 269252. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

From Portugal. Seeds collected by W. Q. Loegering, World Small Grains Seed Collection, Plant Industry Station, Beltsville, Md.

Thought to be resistant to leaf-rust. Received Oct. 28, 1960.

269237. I. 834. Seleccao de Beladi 281s3. From Egypt.

269238. I. 835. Sel. de Tremes arroxead 782s1.

269239. I. 836. Sel. de Ruivo 769s3.

269240. I. 837. Sel. de Vermelho de barba preta 829s1.

269241. I. 38. Sel. de Raposinho 929s1.

269242. I. 839. Sel. de Damiano Chiena 1143s1. From Italy.

269243. I. 840. Sel. de Batisti 1151s1.

269244. I. 841. Sel. de Vila Gloria 1153s1. From Italy.

269245. I. 842. Sel. de Edda 1991s2.

269246. I. 843. Sel. de S. Giorgiao 2252s1. From Italy.

269247. I. 844. Sel. de Faleria 43631s1. From Italy.

269248. I. 845. 'Barbaro 789'.

269249. I. 846. 'Castilla 1131'. From Spain.

269250. I. 847. 'Terenzio 17077'. From Italy.

269251. I. 848. EAP c 63 26127. From Tunisia.

269252. I. 849. 'Invaleable Navarro 63030'. From Spain.

## 269253. PIERIS JAPONICA (Thunb.) G. Don Ericaceae.

From Germany. Plants purchased from Herm. A. Hesse, Baumschulen, Weener. Numbered Oct. 31, 1960.

'Nana compacta'.

**269254. MAHONIA REPENS (Lindl.) G. Don Berberidaceae.**

From Canada. Plant growing at the Plant Introduction Station, Glenn Dale, Maryland. From Alpenglow Gardens, New Westminster, British Columbia, Canada. Numbered Oct. 31, 1960.

**269255 to 269278.**

From Japan. Seeds presented by P. H. Kubota, Nikko, Tochigi Prefecture. Received Oct. 31, 1960.

269255. *ILEX CRENATA* var. *FUKASAWANA* Makino Aquifoliaceae.

269256. *ILEX CRENATA* ssp. *RADICANS* (Nakai) Tatewaki

269257. *ILEX RUGOSA* Fr. Schmidt

269258. *ILEX SUGEROKI* var. *BREVIPELUNCULATA* (Maxim.) Ohwi

269259. *PRUNUS APETALA* (Sieb. & Zucc.) Franch & Savat. Amygdalaceae.

269260. *PRUNUS APETALA* var. *PILOSA* (Koidz.) Wilson

269261. *PRUNUS INCISA* var. *ONTAKENSIS* Koidz. & Kubota

269262. *PRUNUS INCISA* var. *TOMENTOSA* Koidz.

269263 and 269264. *PRUNUS INCISA* var. *YAMADEI* (Makino) Ohwi

269263. A.

269264. B.

269265. *PRUNUS MAXIMOWICZII* Rupr.

Miyama cherry.

269266 and 269267. *PRUNUS NIPPONICA* Mats.

269266. A. Nagano Pref.

269267. B.

269268. *PRUNUS SARGENTII* Rehder

Sargent cherry.

269269. *PRUNUS SARGENTII* f. *COMPTA* (Koidz.) Ohwi

269270. *PRUNUS SUBHIRTELLA* Miquel.

Higan cherry.

269271. *PRUNUS SUBHIRTELLA* Miquel.

Higan cherry.

269272 to 269274. *PRUNUS SYODOI* Nakai

269272. A. Flowers pink.

269273. B. Flowers pink.

269274. C.

269275. *PRUNUS TSCHONOSKII* Koehne

269276. *PRUNUS VERECUNDA* Koehne

269277. *VIBURNUM JAPONICUM* (Thunb.) Spreng. Caprifoliaceae.

269278. *VIBURNUM URCEOLATUM* var. *PROCUMBENS* Nakai

**269279 to 269281.**

From the Netherlands. Plants presented by the Byland Brothers, Boskoop. Received Nov. 1, 1960.

269279 and 269280. *CLEMATIS* (hybrids). Ranunculaceae.

269279. 'The Queen'.

269280. 'Fair Rosamond'.

269281 *CLEMATIS* sp.

'Montana Rubens Odorata'.

**269282. COFFEA MAURITIANA Lam. Rubiaceae.**

From the Island of Reunion. Seeds presented by the Services Agricoles de la Reunion. Received Nov 1, 1960.

**269283 to 269287.**

From India. Stolons and cuttings collected by J. R. Harlan, agricultural explorer, New Crops Research Branch, Plant Industry Station, Beltsville, Md. Received Nov. 1, 1960.

**269283 to 269285.** From the Indian Agricultural Research Institute, New Delhi.

**269283.** *PANICUM ANTIDOTALE* Retz. Poaceae.

Col. No. 1518. Partially male sterile plant for breeding programs.

**269284.** *CENCHRUS CILIARIS* L. Poaceae.

Col. No. 1518. Partially male sterile plant for breeding programs.

**269285.** *SEHIMA NERVOSUM* (Rottl.) Stapf Poaceae.

Col. No. 1520. Male sterile plant for breeding programs.

**269286 and 269287.** *MANGIFERA INDICA* L. Anacardiaceae. **Mango.**

**269286.** Col. No. 1517. 'Janardhan Pasand'.

**269287.** Col. No. 1516. 'Padari'.

**269288.** *BIXA ORELLANA* L. Bixaceae. **Anatto-tree.**

From Belgium. Seeds presented by the Institut National pour l'Etude Agronomique du Congo Belge, Station de Rubona, Ruanda-Urundi. Received Nov. 3, 1960.

**269289 to 269292.** *BIXA ORELLANA* L. Bixaceae. **Anatto-tree.**

From Ceylon. Seeds presented by the Division of Botany, Department of Agriculture, Peradeniya. Received Nov. 3, 1960.

**269289.** No. 1. Capsule small, light crimson.

**269290.** No. 2. Capsule small, round, green.

**269291.** No. 3. Capsule small, orange.

**269292.** No. 4. Capsule dark crimson.

**269293 to 269303.**

From Germany. Plants purchased from Joh. Bruns, Baumschulen, Bad Zwischenahn. Received Nov. 3, 1960.

**269293.** *COTONEASTER DAMMERI* Schneider Malaceae.

'Skogsholmen'.

**269294.** *PICEA ABIES* (L.) Karst. Pinaceae.

**Norway spruce.**

'Columnaris'.

**269295 and 269296.** *PINUS MUGO* var. *MUGHUS* (Scop.) Zemari

**269295.** 'Nana'. Type I.

**269296.** 'Nana'. Type II.

**269297 and 269298.** *RHODODENDRON IMPEDIUM* Balfour f. & W. W. Smith Ericaceae.

**269297.** 'Bad Zwischenahn'.

**269298.** 'Moerheim'.

**269299.** *RHODODENDRON METTERNICHII* Sieb. & Zucc.

**Leatherleaf rhododendron.**

'Metternianus'.

**269300.** *RHODODENDRON PRZEWALSKII* Maxim.

**269301.** *RHODODENDRON RUFUM* Batalin.

**269302.** *RHODODENDRON* (hybrid).

'Prometheus'.

**269303.** *THUJA OCCIDENTALIS* L.

'Pendula'.



**269304. PIPER NIGRUM L. Piperaceae. Black pepper.**

From Fiji. Cuttings presented by the Director of Agriculture, Suva. Received Nov. 4, 1960.

'Belantoeng'.

**269305 to 269327.**

From Sweden. Seeds presented by Saatuchtanstalt Weibullsholm, Landskrona. Received Nov. 7, 1960.

**269305 to 269307. ALLIUM CEPA L. Liliaceae. Onion.**

269305. No. 747. 'Gul Lok, Weibulls Hybridlok'. Yellow onion.

269306. No. 758. 'Lok, Zittauer Gul'.

269307. No. 776. 'Rodlok, Braunschweiger'. Red onion.

**269308 to 269310. BETA VULGARIS L. Chenopodiaceae. Beet.**

269308 No. 11282. 'Egyptisk Platttrund'. Summer and winter variety.

269309. No. 1296. 'Good For All Rikssort'. Fall and winter variety.

269310. No. 1300. 'Spangsbjerg'. Fall and winter variety.

**269311 to 269315. BRASSICA OLERACEA var. BOTRYTIS L. Brassicaceae. Cauliflower.**

269311. No. 418. 'Atle Weibulls Orig'. Midseason variety.

269312. No. 431. 'Dominant'. Midseason variety.

269313. No. 464. 'Stor Dansk'. Early variety.

269314. No. 470. 'Stor Svensk'. Early to midseason variety.

269315. No. 476. 'Urania'. Early variety.

**269316 to 269322. DAUCUS CAROTA L. Apiaceae. Carrot.**

269316. No. 1024. 'Vertou'.

269317. No. 1026. 'London Torg'. Summer and winter variety.

269318. No. 1031. 'London Torg II'.

269319. No. 1036. 'Nantes'. Late summer and fall variety.

269320. No. 1058. 'Regulus'. Fall and winter variety.

269321. No. 1062. 'Regulus II'. Fall and winter variety.

269322. No. 9316. 'Amsterdamer'.

**269323 to 269327. PHASEOLUS VULGARIS L. Fabaceae. Common bean.**

269323. No. 42. 'Brytbona Delikat'. Very early variety.

269324. No. 54. 'Brytbona 100 for 1'. Early to midseason variety.

269325. No. 72. 'Brytbona Konserva II'. Early variety.

269326. No. 120. 'Vaxbona Dranbant'. Early to midseason variety.

269327. No. 125. 'Vaxbona Express'. Very early variety.

**269328 to 269340.**

From Great Britain. Plants purchased from Hillier & Sons, Winchester, Hants, England. Received Nov. 7, 1960.

269328. ABIES KAWAKAMII Hayata Pinaceae.

269329. ATHROTAXIS CUPRESSOIDES D. Don Pinaceae.

269330. CALLITRIS CUPRESSOIDES (L.) Kuntze Pinaceae.

269331. CUPRESSUS ARIZONICA Greene Pinaceae. Arizona cypress.  
'Nana'.

## 268328 to 269340—Continued

269332 and 269333. *CUPRESSUS MACROCARPA* Hartw. Pinaceae.

269332. 'Donard Gold'.

269333. 'Minima'.

269334. *CUPRESSUS MACROCARPA* f. *LUTEA* (Webster) Rehder Pinaceae.269335. *FOKIENIA HODGINSII* (Dunn) Henry & Thomas Pinaceae.269336. *JUNIPERUS OXYCEDRUS* L. Pinaceae.

Prickly juniper.

269337. *LIBOCEDRUS* sp. Pinaceae.269338. *PHYLLOCLADUS TRICHOMANOIDES* D. Don ex Lambert Caesalpinia-  
ceae.

'Minor'.

269339. *PICEA ABIES* (L.) Karst. Pinaceae.

Norway spruce.

'Humilis'.

269340. *PINUS GERARDIANA* Wall. ex Lamb. Pinaceae.

## 269341 to 269351.

From the Netherlands. Seeds presented by the Stichting Bosbouwproef-  
station, Baarn. Received Nov. 7, 1960.269341. *ACER ACUMINATUM* Wall. Aceraceae.

Maple.

269342. *ACER* sp.

No. 1.

269343. *ACER* sp.

No. 2.

269344. *BETULA UTILIS* D. Don Betulaceae.

Birch.

269345. *CLEMATIS* sp. Ranunculaceae.269346. *EUONYMUS GRANDIFLORUS* Wall. ex Roxb. Celastraceae.269347. *PRUNUS JACQUEMONTII* Hook f. Amygdalaceae.269348. *SORBUS* sp. Malaceae.269349. *SPIRAEA* sp. Rosaceae.269350. *VIBURNUM FOETENS* Decne. Caprifoliaceae.269351. *VITIS HIMALAYANA* (Royle) Brandis Vitaceae.269352 to 269354. *CUCUMIS MELO* L. Cucurbitaceae.

Muskmelon.

From China. Seeds presented by G.K.C. Yeh, Chinese Ambassador to the  
United States. From the garden of the Shah, Iran. Received Nov. 7,  
1960.

Persian melons.

269352. No. 1. Garmsais dry farming.

269353. No. 2. Isfahan. Dastjerdi Borkhar.

269354. No. 3. Mashhad. Khaghani.

269355. *BIXA ORELLANA* L. Bixaceae.

Anatto-tree.

From Argentina. Seeds presented by Division of Plant Exploration and Intro-  
duction, Ministry of Agriculture, Buenos Aires. Received Nov. 8, 1960.

## 269356 and 269357.

From France. Cuttings presented by F. Delaunay, Angers. Received Nov. 8,  
1960.269356. *EUONYMUS LINEARIFOLIUS* Franch. Celastraceae.269357. *PYRACANTHA* sp. Malaceae.

**269358 to 269414.**

From Afghanistan. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Nov. 9, 1960.

**269358 and 269359.** *AVENA FATUA* L. Poaceae. Wild oats.

269358. Col. No. 355. Kandahar. Seeds red.

269359. Col. No. 390. Mountains 46 km. east of Bamian.

**269360.** *AVENA SATIVA* L. Common oats.

Col. No. 384. 'Yalov'. Field, 32 km. west of Bamian. Cultivated.

**269361 and 269362.** *AELUROPUS MACROSTACHYUS* Hack. Poaceae.

269361. Col. No. 333. Sand dunes 74 km. west of Kandahar. Small tufts.

269362. Col. No. 348. Experiment Station, Marja. Mat-forming grass about 15 cm. high; extremely salt tolerant.

**269363.** *AGROPYRON ELONGATUM* (Host) Beauv. Poaceae. Tall wheatgrass.

Col. No. 395. Irrigation ditch, Ghazni. Plant one meter high.

**269364.** *BOTHRIOCHLOA ISCHAEMUM* (L.) Keng Poaceae. King's Ranch bluestem.

Col. No. 377. Irrigated field in canyon 80 km. north of Kabul.

**269365 and 269366.** *CITRULLUS COLOCYNTHIS* (L.) Schard Cucurbitaceae. Colocynth.

269365. Col. No. 335. Desert, 39 km. west of Kandahar. Plant small, trailing; leaves incised.

269366. Col. No. 398. Gravelly desert, 102 km. east of Kabul. Vines cover area 4.5 meters in diameter.

**269367 and 269368.** *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.

269367. Col. No. 341. Girishk store. Fruit elongate, about 35 cm. by 20 cm; flesh pale-greenish; flavor bananalike.

269368. Col. No. 342. Girishk store. Fruit globular, 25 cm. diameter; skin smooth, yellow and green striped; flesh green; flavor excellent.

**269369.** *CYMBOPOGON SCHOENANTHUS* (L.) Spreng. Poaceae. Camel-hay.

Col. No. 337. Desert wash, 17 km. south of Kajakai Dam. Plants in large clumps; stalks to one meter high; leaves to 20 cm. long.

**269370.** *CYNODON* sp. Poaceae.

Col. No. 346. Irrigated waste ground, Lashkar Gah. Plants large, blue, brittle; head large; seeds many.

**269371 and 269372.** *CYNODON DACTYLON* (L.) Pers. Bermudagrass.

269371. Col. No. 347. Irrigated waste ground, Lashkar Gah. Mixture of intermediate types.

269372. Col. No. 356. Bank or irrigation ditch, 10 km. south of Kanderhar. Plants tall, vigorous.

**269373.** *DAUCUS* sp. Apiaceae.

Col. No. 366. Fifteen km. north of Ghazni. Plant seven dm. high.

**269374.** *ERIANTHUS RAVENNAE* (L.) Beauv. Poaceae. Ravenna grass.

Col. No. 344. Wet wasteland, Lashkar Gah. Bunchgrass to 18 cm. high.

**269375.** *EUCALYPTUS* sp. Myrtaceae.

Col. No. 401. Jalalabad garden. Tree 10 meters high; branches pendant; leaves narrow, lanceolate or phyllodes; fruit in clusters, interrupted on branches.



## 269358 to 269414—Continued

- 269376.** *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.  
Col. No. 361. Fields and irrigation ditch banks, Ghazni.
- 269377 to 269380.** *HORDEUM VULGARE* L. Poaceae. Barley.  
**269377.** Col. No. 386. Irrigated field in canyon 27 km. east of Bamian. Naked.  
**269378.** Col. No. 387. Canyon, 23 km. east of Bamian. Naked.  
**269379.** Col. No. 388. Irrigated field, 31 km. east of Bamian.  
**269380.** Col. No. 389. Canyon, 46 km. east of Bamian.
- 269381.** *IRIS* sp. Iridaceae.  
Col. No. 323. Desert, 27 km. south of Kabul. Leaves long, slender.
- 269382.** *IRIS* sp.  
Col. No. 383. Wet meadow in canyon, 23 km. west of Bamian. Plants vigorous.
- 269383.** *LACTUCA* sp. Cichoriaceae.  
Col. No. 320. Canyon, 37 km. south of Kabul. Leaves small; flowers blue.
- 269384.** *CICHORIUM INTYBUS* L. Cichoriaceae. Chicory.  
Col. No. 354. Waste ground, Kandahar. Plant one meter high; flowers blue.
- 269385.** *LOLIUM RIGIDUM* Gaud. Poaceae. Wimmera ryegrass.  
Col. No. 330. Desert, 27 km. west of Kandahar.
- 269386.** *LOLIUM PERSICUM* Bois. & Hohem.  
Col. No. 360. Irrigated field, Ghazni. Plant one meter high; spikelets very large.
- 269387 and 269388.** *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.  
**269387.** Col. No. 359. Irrigated field, 95 km. north of Mukur. Hay type; flowers deep blue.  
**269388.** Col. No. 373. Steep canyon side near irrigated field, 80 km. north of Kabul.
- 269389.** *MISCANTHUS* sp. Poaceae.  
Col. No. 397. Permanently wet site in Kabul River canyon, 75 km. east of Kabul.
- 269390.** *PANICUM ANTIDOTALE* Retz. Poaceae.  
Col. No. 402. Slopes of Khyber Pass, 80 km. east of Jalalabad. Plant to 1.8 meter high, well grazed.
- 269391.** *PENNISETUM ORIENTALE* (L.) Rich.  
Col. No. 338. Dry, rocky cliffs at Kajakai Dam. Bunchgrass to one meter high.
- 269392.** *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.  
Col. No. 362. Fields and irrigation ditch bank, Ghazni.
- 269393.** *POGONATHERUM* sp. Poaceae.  
Col. No. 345. Bank of irrigation ditch, Lashkar Gah. Plant 18 dm. high, harsh.
- 269394.** *PRUNUS ARMENIACA* L. Amygdalaceae. Apricot.  
Col. No. 371. 'Zardalu Amiri'. Kabul bazaar. Fruit large, peach size, 12 fruits weighed two kg; flavor good; color pale yellow.

## 269358 to 269414—Continued

269395. *PRUNUS CERASUS* L.

Sour cherry.

Col. No. 315. Kabul bazaar. Fruit red, sour, keeps extremely well.

269396. *SANGUISORBA MINOR* Scop. Rosaceae.

Small burnet.

Col. No. 367. Fifteen km. north of Ghazni. Plant small; heavily grazed.

269397 and 269398. *SECALE CEREALE* L. Poaceae.

Rye.

269397. Col. No. 358. Twenty km. south of Mukur.

269398. Col. No. 391. Canyon 46 km. east of Bamian.

269399 to 269401. *SORGHUM MILIACEUM* (Roxb.) Snowden Poaceae.

269399. Col. No. 326. Park near International Corporation Administration guest house, Kandahar. Plant vigorous.

269400. Col. No. 353. Vegetable garden, Kandahar. Plant about two meters high; panicles open, whorled.

269401. Col. No. 400. Jalalabad garden. Plant 1.5 meters high.

269402. *STIPA* sp. Poaceae.

Col. No. 364. Gravelly desert hills, eight km. north of Ghazni. Plant 60 cm. high.

269403. *STIPA* sp.

Col. No. 393. Near top of pass, 48 km. east of Bamian.

269404. *TRIFOLIUM PRATENSE* L. Fabaceae.

Red clover.

Col. No. 378. Irrigated field, 80 km. north of Kabul.

269405. *TRIFOLIUM REPENS* L.

Whiteclover.

Col. No. 385. Near Bamian hotel. Small to intermediate type.

269406. *HORDEUM BOGDANII* Wilensky Poaceae.

Col. No. 381. Field, 80 km. north of Kabul. Plant one meter high; stalk red; spike slender.

269407 to 269410. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

269407. Col. No. 322. Mountains 37 km. south of Kabul.

269408. Col. No. 357. Twenty km. south of Mukur.

269409. Col. No. 379. Irrigated field, 80 km. north of Kabul.

269410. Col. No. 392. Canyon, 46 km. east of Bamian.

269411. *VITEX AGNUS-CASTUS* L. Verbenaceae.

Lilac chaste-tree.

Col. No. 331. Plateau 66 km. west of Kandahar. Plant 1.5 meters high; flowers blue.

269412. *VITIS VINIFERA* L. Vitaceae.

European grape.

Col. No. 370. Kabul bazaar. Fruit medium size, blue.

Corn.

269413. *ZEA MAYS* L. Poaceae.

Col. No. 394. 'Jawari'. Used for corn bread.

269414. *ZIZYPHUS* sp. Rhamnaceae.

Col. No. 352. Desert, 85 km. east of Lashkar Gah. Thorny desert shrub 1.5 meters high.

## 269415 to 269604.

From Pakistan. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Crops Research Division, Beltsville, Md. Received Nov. 14, 1960.

Seeds unless otherwise noted.

## 269415 to 269604—Continued

- 269415 to 269424. *ALLIUM CEPA* L. Liliaceae. Onion.  
 269415. Col. No. 524. 'Piaste'. Mangora village bazaar, Swat.  
 269416. Col. No. 638. Gilgit garden.  
 269417. Col. No. 648. Gilgit garden.  
 269418. Col. No. 673. Nomal. From Kashgar, China.  
 269419. Col. No. 700. Nomal.  
 269420. Col. No. 723. Sher-Jila.  
 269421. Col. No. 730. Singal orchard. Elevation 2,100 meters.  
 269422. Col. No. 843. Garden, Mastuj.  
 269423. Col. No. 968. Chamagar.  
 269424. Col. No. 1002. Dumont.
- 269425 and 269426. *ALLIUM SATIVUM* L. Garlic.  
 269425. Col. No. 492. Kohala, 46 km. north of Muree. Elevation 750 meters. Warm enough for bananas in canyon bottom; cool near top (cloves).  
 269426. Col. No. 640. Gilgit garden (cloves).
- 269427 to 269429. *ANETHUM GRAVEOLENS* L. Apiaceae. Dill.  
 269427. Col. No. 632. Gilgit garden.  
 269428. Col. No. 661. Hunza River bank, 31 km. upstream from Gilgit. Elevation 1,500 meters.  
 269429. Col. No. 732. Singal orchard. Elevation 2,100 meters.
269430. *ASPARAGUS* sp. Convallariaceae.  
 Col. No. 591. Steep slopes, Murree road. Elevation 755 meters. Plants slender, bluish; fruits green.
269431. *BRASSICA CAMPESTRIS* var. *SARSON* Prain Brassicaceae. Sarson.  
 Col. No. 581. Kohala, 45 km. north of Murree.
269432. *BRASSICA JUNCEA* (L.) Coss. Chinese mustard.  
 Col. No. 983. Dorat.
269433. *BRASSICA OLERACEA* var. *CAPITATA* L. Cabbage.  
 Col. No. 978. Dorat.
- 269434 and 269435. *BRASSICA CAMPESTRIS* L. Bird rape.  
 269434. Col. No. 985. Dumont.  
 269435. Col. No. 1000. Dumont.
- 269436 to 269438. *BRASSICA PEKINENSIS* (Lour.) Rupr. Chinese cabbage.  
 269436. Col. No. 641. Gilgit garden, from Kashgar, China.  
 269437. Col. No. 666. Nomal, from Kashgar, China.  
 269438. Col. No. 942. Nalta. Elevation 3,300 meters.
- 269439 to 269446. *BRASSICA RAPA* L. Turnip.  
 269439. Col. No. 432. Hangu bazaar.  
 269440. Col. No. 450. Thal bazaar.  
 269441. Col. No. 587. Kohala, 45 km. north of Murree.  
 269442. Col. No. 651. Gilgit garden.  
 269443. Col. No. 654. Gilgit garden.  
 269444. Col. No. 678. Nomal.



## 269415 to 269604—Continued

## 269438 to 269446—Continued

269445. Col. No. 731. Singal orchard. Elevation 2,100 meters.

269446. Col. No. 976. Dorat.

269447. *BRASSICA CAMPESTRIS* L.

Bird rape.

Col. No. 452. Thal bazaar.

269448. *BRASSICA JUNCEA* (L.) Coss.

Chinese mustard.

Col. No. 495. 'Or'. Kohala, 46 km. north of Murree. Elevation 750 meters.

269449. *BRASSICA NAPUS* L.

Rape.

Col. No. 589. 'Karamb'. Kohala, 45 km. north of Murree.

269450. *BRASSICA CAMPESTRIS* var. *SARSON* Prain

Sarson.

Col. No. 658. Gilgit garden.

269451 and 269452. *BRASSICA CAMPESTRIS* L.

Bird rape.

269451. Col. No. 701. Nomal, from Kashgar, China.

269452. Col. No. 717. Sher-Jila.

269453. *BRASSICA* sp.

Col. No. 925. 'Hazir-gar'. Ishkuman.

269454 to 269458. *CAPSICUM FRUTESCENS* L. Solanaceae.

Redpepper.

269454. Col. No. 426. Hangu bazaar.

269455. Col. No. 493. Kohala, 46 km. north of Murree. Elevation 750 meters. Fruit small, red.

269456. Col. No. 727. Sher-Jila.

269457. Col. No. 734. Singal orchard. Elevation 2,100 meters.

269458. Col. No. 857. Mastuj garden. Plants 30 cm. high; fruits hot.

269459 to 269461. *CICHORIUM INTYBUS* L. Cichoriaceae.

Chicory.

269459. Col. No. 691. Along terraces and ditchbanks. Normal. Flowers blue.

269460. Col. No. 712. Terraced field, 26 km. above Gilgit. Plants one meter high; flowers blue.

269461. Col. No. 742. Damas. Elevation 2,200 meters.

269462 and 269463. *LUFFA ACUTANGULA* (L.) Roxb. Cucurbitaceae.

269462. Col. No. 428. 'Tor-oy'. Hangu bazaar.

269463. Col. No. 501. 'Tor-oy'. (Pushtu). Mangora village bazaar, Swat.

269464 to 269466. *CITRULLUS LANATUS* (Thunb.) Mansf.

Watermelon.

269464. Col. No. 510. 'Tarbriza'. Mangora village bazaar, Swat.

269465. Col. No. 649. Gilgit garden.

269466. Col. No. 931. Gilgit.

269467 to 269473. *CORIANDRUM SATIVUM* L. Apiaceae.

Coriander.

269467. Col. No. 420. 'Daniah'. Hangu bazaar.

269468. Col. No. 498. 'Daneyat'. Kohala, 46 km. north of Murree. Elevation 750 meters.

269469. Col. No. 561. Dan-i-ya. Karora.

269470. Col. No. 670. Nomal.

269471. Col. No. 728. Sher-Jila.

## 269415 to 269604—Continued

## 269467 to 269473—Continued

269472. Col. No. 921. Ishkuman.

269473. Col. No. 984. 'Naski'. Dorat.

## 269474 to 269479. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

269474. Col. No. 503. 'Kharbozey'. Mangora village bazaar, Swat.

269475. Col. No. 636. Gilgit garden, from Kashgar, China.

269476. Col. No. 677. Nomal, from Kashgar, China.

269477. Col. No. 707. Gilgit garden. Fruits depressed globe, yellow with pale green stripes.

269478. Col. No. 724. Sher-Jila.

269479. Col. No. 932. Gilgit.

## 269480 to 269482. CUCUMIS SATIVUS L. Cucumber.

269480. Col. No. 427. Hangu bazaar.

269481. Col. No. 523. 'Kira'. Mangora village bazaar, Swat.

269482. Col. No. 650. Gilgit garden.

## 269483 and 269484. CUCURBITA MAXIMA Duchesne Cucurbitaceae. Squash.

269483. Col. No. 425. 'Petah'. Hangu bazaar.

269484. Col. No. 509. 'Kadu'. Mangora village bazaar, Swat.

## 269485 to 269488. DAUCUS CAROTA L. Apiaceae. Carrot.

269485. Col. No. 424. 'Gajer'. Hangu bazaar.

269486. Col. No. 633. Gilgit garden.

269487. Col. No. 846. Mastuj garden.

269488. Col. No. 915. Eighteen km. above Drosh. Plant 60 cm. high; stems branching.

## 269489. FICUS OLIGODON Miquel Moraceae.

Col. No. 565. Below Martung. Tree to 12 meters high.

## 269490. FICUS sp.

Col. No. 628. Walnut orchard, north slope Babusar Pass. Elevation 2,400 meters. Tree to 13 meters high, fairly hardy; fruit small.

## 269491. FICUS sp.

Col. No. 729. Singal orchard, 65 km. above Gilgit. Elevation 2,100 meters. Tree dense; leaves slightly lobed.

## 269492. FICUS sp.

Col. No. 887. 'Kakhozi'. Twenty-two km. above Chitral. Tree eight meters high; fruits small.

## 269493. FRAGARIA sp. Rosaceae.

Col. No. 602. Barrier 43 km. above Balakot. Plants 10 cm. high; leaves small.

## 269494 and 269495. HIBISCUS ESCULENTUS L. Malvaceae. Okra.

269494. Col. No. 513. 'Beardi'. Mangora village bazaar, Swat.

269495. Col. No. 553. 'Bern-di'. Chakesar, Swat.

## 269496 and 269497. JUGLANS REGIA L. Juglandaceae. Persian walnut.

269496. Col. No. 720. Sher-Jila.

269497. Col. No. 760. Gupis. Elevation 2,320 meters.

## 269415 to 269604—Continued

- 269498 to 269501. *LACTUCA SATIVA* L. Cichoriaceae. Lettuce.  
 269498. Col. No. 639. Gilgit garden.  
 269499. Col. No. 849. Mastuj garden.  
 269500. Col. No. 850. Mastuj garden.  
 269501. Col. No. 851. Mastuj garden.
269502. *SONCHUS OLERACEUS* L. Cichoriaceae.  
 Col. No. 852. Mastuj garden.
- 269503 and 269504. *LACTUCA SATIVA* L. Lettuce.  
 269503. Col. No. 856. Mastuj garden.  
 269504. Col. No. 859. Mastuj garden.
- 269505 to 269508. *LAGENARIA LEUCANTHA* (Duchesne) Rusby. Cucurbitaceae. Calabash gourd.  
 269505. Col. No. 429. Hangu bazaar.  
 269506. Col. No. 443. 'Kadu'. Thal bazaar.  
 269507. Col. No. 519. 'Kadu'. Mangora village bazaar, Swat. Fruit 7.5 km. long, five to 20 cm. in diameter.  
 269508. Col. No. 655. Gilgit garden.
- 269509 to 269511. *LENS CULINARIS* Medic. Fabaceae. Lentil.  
 269509. Col. No. 891. Chitral.  
 269510. Col. No. 936. Lower Nalta.  
 269511. Col. No. 992. Dumont.
- 269512 to 269514. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.  
 269512. Col. No. 422. Hangu bazaar.  
 269513. Col. No. 662. Nomal.  
 269514. Col. No. 981. Dorat.
- 269515 to 269517. *MOMORDICA CHARANTIA* L. Cucurbitaceae. Balsam-pear.  
 269515. Col. No. 433. Hangu bazaar.  
 269516. Col. No. 512. 'Ben-dole'. Mangora village bazaar, Swat.  
 269517. Col. No. 590. Kohala, 45 km. north of Murree. Fruits 7.5 to 12.5 cm. long, five to 7.5 cm. in diameter; nubby.
- 269518 and 269519. *PHASEOLUS ACUTIFOLIUS* Gray Fabaceae.  
 269518. Col. No. 554. 'Koolat'. Chakesar, Swat.  
 269519. Col. No. 579. Kohala, 46 km. north of Murree. Elevation 755 meters. Bananas grow on canyon floor; cool temperatures prevail at top.
269520. *PHASEOLUS MUNGO* L. Urd.  
 Col. No. 497. 'Mash'. Kohala, 46 km. north of Murree. Elevation 750 meters.
269521. *PHASEOLUS AUREUS* Roxb. Mung bean.  
 Col. No. 514. 'Churta-Marsh'. Mangora village bazaar, Swat.
269522. *PHASEOLUS MUNGO* L. Urd.  
 Col. No. 520. 'Mash'. Mangora village bazaar, Swat.
- 269523 to 269525. *PHASEOLUS AUREUS* Roxb. Mung bean.  
 269523. Col. No. 890. Chitral.  
 269524. Col. No. 899. 'Mash'. Chitral bazaar.  
 269525. Col. No. 907. Chitral field.



## 269415 to 269604—Continued

- 269526 to 260528. *PHASEOLUS MUNGO* L.  
 269526. Col. No. 912. Birir.  
 269527. Col. No. 998. 'Mash'. Dumont.  
 269528. Col. No. 1008. Gunnaur.
- 269529 to 269539. *PHASEOLUS VULGARIS* L. Common bean.  
 269529. Col. No. 417. Hangu bazaar.  
 269530. Col. No. 448. Thal bazaar.  
 269531. Col. No. 584. Kohala, 45 km. north of Murree.  
 269532. Col. No. 608. Naran, third barrier on Balakot-Gilgit Road.  
 Elevation 2,400 meters.  
 269533. Col. No. 642. Gilgit garden.  
 269534. Col. No. 652. Gilgit garden.  
 269535. Col. No. 663. Nomal.  
 269536. Col. No. 685. Nomal.  
 269537. Col. No. 792. Pingal. Elevation 2,525 meters.  
 269538. Col. No. 855. Mastuj garden. Pole type.  
 269539. Col. No. 987. Dumont.
- 269540 *PHYSALIS ALKEKENGHI* L. Solanaceae. Strawberry groundcherry.  
 Col. No. 919. Near Gakuch, Gilgit. Low-growing herb; fruits tomato-like, covered with brilliant red spathe.
269541. *PISTACIA* sp. Anacardiaceae.  
 Col. No. 629. Banks of Indus River, three km. above Chalas. Tree small, very aromatic, sticky; seeds small.
269542. *PISTACIA* sp.  
 Col. No. 743. Gilgit River canyon, nine km. above Damas. Elevation 2,200 meters. Tree well shaped; foliage dense.
- 269543 and 269544. *PISUM SATIVUM* L. Fabaceae.  
 269543. Col. No. 431. Hangu bazaar.  
 269544. Col. No. 854. Mastuj garden.
- 269545 to 269557. *PRUNUS AMYGDALUS* Batch Amygdalaceae. Almond.  
 269545. Col. No. 645. Gilgit garden.  
 269546. Col. No. 660. Hunza River, 31 km. upstream from Gilgit.  
 Elevation 1,500 meters.  
 269547. Col. No. 684. Nomal.  
 269548. Col. No. 719. Sher-Jila.  
 269549. Col. No. 755. Gupis. Elevation 2,320 meters.  
 269550. Col. No. 772. River bank, 18 km. above Gupis. Tree eight meter high; leaves few; fruits small.  
 269551. Col. No. 916. Drosh bazaar.  
 269552. Col. No. 952. Gilgit.  
 269553. Col. No. 954. Gilgit.  
 269554. Col. No. 955. Gilgit.  
 269555. Col. No. 956. Gilgit.  
 269556. Col. No. 966. Chamagar.  
 269557. Col. No. 971. Chamagar.

## 269415 to 269604—Continued

269558 to 269572. *PRUNUS ARMENIACA* L.

Apricot.

269558. Col. No. 665. Nomal. Bitter type.

269559. Col. No. 675. Nomal.

269560. Col. No. 694. Nomal.

269561. Col. No. 722. Sher-Jila.

269562. Col. No. 725. Sher-Jila.

269563. Col. No. 744. Nine km. above Damas. Leaves few; fruit elongate.

269564. Col. No. 747. Gilgit River canyon, nine km. above Damas. Elevation 2,200 meters. Tree eight km. high; fruit subglobose.

269565. Col. No. 748. Gilgit River canyon, nine km. above Damas. Elevation 2,200 meters.

269566. Col. No. 785. Near stream, 41 km. above Gupis. Tree to eight meters high.

269567. Col. No. 793. Forty-four km. above Gupis. Fruits sun dried.

269568. Col. No. 812. Singal. Elevation 2,775 meters. Fruits yellow and orange.

269569. Col. No. 834. Mastuj orchard.

269570. Col. No. 948. Gilgit. From Hunza.

269571. Col. No. 949. Gilgit. From Hunza.

269572. Col. No. 950. Gilgit. From Hunza.

269573 to 269580. *PRUNUS PERSICA* (L.) Batsch

Peach.

269573. Col. No. 445. Thal bazaar.

269574. Col. No. 525. Mangora village bazaar, Swat. Fruits medium size, sweet, yellow with pink cheeks.

269575. Col. No. 706. Nomal.

269576. Col. No. 706B. Upper Hunza Valley. Fruit small, very sweet.

269577. Col. No. 716. Sher-Jila.

269578. Col. No. 930. Gilgit.

269579. Col. No. 953. Gilgit.

269580. Col. No. 965. Juglate farm. Wild type.

269581. *PRUNUS* sp.

Col. No. 564. Alpurai, Swat. Tree to nine meters high; plum golden, sweet.

269582. *PRUNUS* sp.

Col. No. 577. Upriver, near Ushu. Plant bush one meter high; fruit a red cherry.

269583. *PRUNUS* sp.

Col. No. 787. Near stream, 41 km. above Gupis. Plants to 2.5 meters high. Fruit a cherry.

269584. *PRUNUS* sp.

Col. No. 788. Forty-one km. above Gupis. Elevation 2,525 meters. Leaves small; fruit, a cherry.

269585. *PRUNUS* sp.

Col. No. 884. Orchard north of Barenis, 55 km. above Chitral. Plum 25 mm. diameter, globose, good flavor.

## 269415 to 269604—Continued

269586. *PRUNUS* sp.

Col. No. 951. Kar Gar Valley. Fruit, a cherry.

269587 and 269588. *PUNICA GRANATUM* L. Punicaceae. Pomegranate.

269587. Col. No. 446. Thal bazaar.

269588. Col. No. 496. 'Anor'. Kohala, 46 km. north of Murree. Elevation 750 meters.

269589. *RAPHANUS SATIVUS* L. Brassicaceae. Radish.

Col. No. 430. Hangu bazaar.

269590. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. Cauliflower.

Col. No. 442. Thal bazaar.

269591 to 269597. *RAPHANUS SATIVUS* L. Brassicaceae. Radish.

269591. Col. No. 517. 'Muley'. Mangora village bazaar, Swat.

269592. Col. No. 549. 'Mi'. Chakesar, Swat.

269593. Col. No. 560. 'Muley'. Karora.

269594. Col. No. 583. Kohala, 45 km. north of Murree.

269595. Col. No. 634. Gilgit garden.

269596. Col. No. 637. Gilgit garden.

269597. Col. No. 672. Nomal.

269598. *RUBUS* sp. Rosaceae.

Col. No. 558. Path between Chakesar and Karora. Fruits large, succulent, sweet blackberry.

269599. *RUBUS* sp. Rosaceae.

Col. No. 886. Trail, 42 km. north of Chitral. Elevation 1,350 meters. Canes long, fairly erect; leaves large; fruits black when ripe, aggregates small; flavor good.

269600 and 269601. *SOLANUM MELONGENA* L. Solanaceae. Eggplant.

269600. Col. No. 423. Hangu bazaar.

269601. Col. No. 999. Dumont.

269602. *SOLANUM* sp.

Col. No. 600. Barrier, 43 km. above Balakot. Annual to 60 cm. high; foliage dense; fruits bright red.

269603 and 269604. *VITIS VINIFERA* L. Vitaceae. European grape.

269603. Col. No. 726. Sher-Jila.

269604. Col. No. 997. Dumont.

## 269605 to 269626.

From Great Britain. Plants purchased from H. G. Hillier &amp; Sons, Winchester, Hants, England. Received Nov. 14, 1960.

269605. *ACER CAMPBELLII* Hook. f. & Thomas. Aceraceae. Maple.269606. *ACER PAXII* Franch. Maple.269607. *ACER OSMASTONII* Gamble. Maple.269608. *ACER TARONENSE* Hand.-Mazz.

(Forrest 9059 or 2059.)

269609 and 269610. *BUXUS SEMPERVIRENS* L. Buxaceae. Common box.

269609. No. 7352.

269610. No. 7353. 'Myrtifolium'.



## 269605 to 269626—Continued

269611. CHAMAECYPARIS LAWSONIANA (Murray) Parl. Pinaceae.  
Lawson falsecypress.

'Pena Park'.

269612. EUCRYPHIA BILLARDIERI Spach. Eucryphiaceae.  
269613. EUCRYPHIA CORDIFOLIA Cav.  
269614. EUCRYPHIA GLUTINOSA (Poepp. & Endl.) Ballion  
269615. EUCRYPHIA × HILLIERI Ivens

'Winton'.

269616. EUCRYPHIA × INTERMEDIA Bausch  
269617. EUCRYPHIA LUCIDA (Labill.) Baill.

'Milliganii'.

269618. EUCRYPHIA MOREII F. Muell.  
269619. EUCRYPHIA × NYMANSAY Hort.  
269620. ILEX PERADO Ait. Aquifoliaceae.  
269621. ILEX FARGESII var. SCLEROPHYLLA Loes.  
269622. ILEX GEORGEI Comber  
269623. ILEX PLATYPHYLLA Webb & Berth.  
269624. PODOCARPUS (hybrid). Taxaceae.

(*P. macrophyllus* var. *variegatus* × *P. 'Pena'*.)

269625. × SORBOCOTONEASTER POZDNJAKOVII Pjark. Malaceae.  
(*Sorbus siberica* × *Cotoneaster melanocarpa*).

269626. ACER LAEVIGATUM Wall. Aceraceae.

## 269627 to 269629.

From the Republic of the Congo. Seeds presented by C. S. Stephanides, Leopoldville. Received Nov. 17, 1960.

269627. CITROPSIS ARTICULATA (Willd.) Swingle & Kellerman Rutaceae.  
269628. CITROPSIS GILLETIANA Swingle & Kellerman  
269629. CITROPSIS MIRABILIS Swingle & Kellerman

269630. ORYZA GLABERRIMA Steud. Poaceae.

From El Salvador. Seeds presented by the United States Operations Mission. Collected at Las Tres Ceibas, Departamento La Libertad, October 11, 1960.

Wild rice.

269631. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From India. Seeds collected by L. Zeleny, Agricultural Marketing Service, Beltsville, Maryland. Received Nov. 17, 1960.

Punjab wheat; protein 9.9 percent.

## 269632 and 269633.

From Bermuda. Seeds presented by the Bermuda Botanical Gardens, Paget East. Received Nov. 17, 1960.

269632. ALBIZZIA LEBBECK (L.) Benth. Mimosaceae. Lebbeck-tree.  
269633. JUNIPERUS BERMUDIANA Linn. Pinaceae.  
'Black Ebony'.

**269634 to 269636. PHASEOLUS VULGARIS L. Fabaceae.****Common bean.**

From the Union of Soviet Socialist Republics. Seeds presented by the Institute of Plant Industry, Leningrad. Received Nov. 17, 1960.

269634. 'Chokhatauris 23'.

269635. 'Korichnevaya 403'.

269636. 'Tsilwanskaya 411'.

**269637 to 269639.**

From India. Seeds presented by the Botanical Survey of India, Calcutta. Received Nov. 17, 1960.

269637. HIBISCUS FICULNEUS L. Malvaceae.

269638. HIBISCUS MANIHOT L.

269639. LAGERSTROEMIA SPECIOSA (Muench.) Pers. Lythraceae.

**Queen crapemyrtle.****269640 to 269643.**

From Indonesia. Seeds presented by Lembaga Hortus Botanicus Pusat, Bogor, Djawa. Received Nov. 17, 1960.

269640. LAFOENSIA PUNICAEFOLIA DC. Lythraceae

269641. LAGERSTROEMIA LOUDONII Teijsm. &amp; Binn. Lythraceae.

269642. LAWSONIA INERMIS L. Lythraceae.

**Henna.**

269643. URENA LOBATA L. Malvaceae.

'Reticulata'.

**269644 to 269650.**

From Argentina. Seeds held at the United States Regional Plant Introduction Station, Ames, Iowa. Received Nov. 18, 1960.

269644. BROMUS MACRANTHOS Desv. Poaceae.

269645. ELYMUS ERIANTHUS R.A. Phil. Poaceae.

269646. ELYMUS sp.

269647. FESTUCA PALLESCENS (St. Yves) Parodi Poaceae.

269648. HORDEUM COMOSUM Presl. Poaceae.

269649. POA LANUGINOSA Poir. Poaceae.

269650. POA LIGULARIS (Nees) Steud.

**269651 to 269667.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Nov. 18, 1960.

269651. LAGENARIA SICERARIA (Mol.) Stand. Cucurbitaceae.

**Calabash gourd.**

Prolific summer variety; gourds long.

269652 to 269663. SOLANUM MELONGENA L. Solanaceae.

**Eggplant.**

269652. 'Black Beauty' I.C. 4384.

269653. 'Cluster Purple' I.C. 1692.

269654. E. C. 8973.

269655. 'Faizabad Long' I.C. 1417.

269656. 'Hyderpore'.

269657. I. C. 3500.

269658. I. C. 3508.

**269651 to 269667—Continued****269652 to 269663—Continued**

269659. 'Pusa Purple Long'.  
 269660. 'Pusa Purple Round'.  
 269661. 'White Long'. I.C. 3509.  
 269662. 'White Round'. E.C. 4233.  
 269663. 'Wyned Giant'. I.C. 3517.

269664 to 269667. *VIGNA SINENSIS* (Torner) Savi Fabaceae. Cowpea.

269664. I.C. 3003.  
 269665. I.C. 3338.  
 269666. 'Pusa Barsali'.  
 269667. 'Pusa Phalgun'.

**269668 to 269674.**

From Pakistan. Seeds collected by J. R. Harlan, agricultural explorer, Corps Research Division, Plant Introduction Station, Beltsville, Md. Received Nov. 18, 1960.

269668. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.  
 Col. No. 643. Gilgit garden.

269669. *ROSA* sp. Rosaceae.

Col. No. 594. Barrier between Nathia Gali and Abbottabad. Pine forest. Elevation 1,350 meters.

269670. *ROSA* sp.

Col. No. 746. Gilgit River canyon, nine km. above Damas. Elevation 2,200 meters. Plant two meters high, erect, thorny.

269671. *ROSA* sp.

Col. No. 774. Twenty km. above Gupis. Plant three meters high, erect, dense, thorny.

269672. *ROSA* sp.

Col. No. 784. Mountain 41 km. above Gupis. Elevation 2,250 meters. Plant to two meters high, erect, dense, thorny.

269673. *ROSA* sp.

Col. No. 813. Shandur Pass, border of Gilgit and Chitral. Elevation 3,900 meters. Dense, erect shrub.

269674. *ROSA* sp.

Col. No. 941. Nalta. Elevation 3,300 meters.

269675. *JUGLANS REGINA* L. Juglandaceae. Persian walnut.

From Yugoslavia. Seeds presented by the United States Operations Mission, Belgrade. Received Nov. 21, 1960.

269676 to 269681. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae. Watermelon.

From British Honduras. Seeds presented by the United States Operations Mission, Belize. Received Nov. 21, 1960.

269676. 'Excell'. From Bomba.  
 269677. 'Excell'. From Maskall.  
 269678. 'Rattlesnake'. From Bomba.  
 269679. 'Rattlesnake'. From Maskall.  
 269680. 'Sweetheart'. From Bomba.  
 269681. 'Tom Watson'. From Maskall and Bomba.



**269682 and 269683. MANGIFERA INDICA L. Anacardiaceae.****Mango.**

From India. Cuttings collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Nov. 22, 1960.

**269682.** Col. No. 1642. 'Vanraj'. Poona Agricultural College, Poona.

**269683.** Col. No. 1643. 'Totapuri'. Poona Agricultural College, Poona. Probably synonymous with 'Salem Bangalore'.

**269684 to 269726.**

From countries indicated. Seeds held at the State College, Raleigh, North Carolina. Sources as indicated. Numbered Nov. 22, 1960.

**269684 to 269723. ARACHIS HYPOGAEA L. Fabaceae.**

**Peanut.**

**269684 to 269686.** Tanganyika.

**269684.** No. 230. 'Virginia Bunch Miniature'. H.g.-1-Hemingway. Mar. 1956.

**269685.** No. 231. 'Virginia Bunch'. Mwitunde Hemingway. Mar. 1956.

**269686.** No. 232. 'Virginia Bunch Spanish'. Kanyoma Hemingway. Mar. 1956.

**269687 to 269707.** Krapovickas. Argentina. Mar. 1956.

**269687.** No. 233. 'Chinese'. **269696.** No. 242. 'Chinese Spanish'.

**269688.** No. 234. 'Chinese Hybrid'. **269697.** No. 243. 'Virginia'.

**269689.** No. 235. 'Bunch Spanish'. **269698.** No. 244. 'Virginia'.

**269690.** No. 236. 'Virginia Spanish'. **269699.** No. 245. 'Virginia'.

**269691.** No. 237. 'Peruvian Valencia'. **269700.** No. 246. 'Virginia'.

**269692.** No. 238. 'Chinese'. **269701.** No. 247. 'Virginia'.

**269693.** No. 239. 'Chinese Spanish'. **269702.** No. 248. 'Spanish Valencia'.

**269694.** No. 240. 'Chinese'. **269703.** No. 249. 'Peruvian Valencia'.

**269695.** No. 241. 'Chinese Spanish'. **269704.** No. 250. 'Virginia'.

**269705.** No. 251. 'Virginia Chinese'. **269706.** No. 252. 'Virginia'.

**269707.** No. 253. 'Virginia'. **269708.** No. 254. 'Virginia Spanish'. Woodhouse. Peru. Feb. 1955.

**269709 to 269723.** Japan Sept. 1956.

**269709.** No. 258. 'Spanish Virginia'. 'Pei Kang Pe You Don'.

**269710.** No. 259. 'Feng Lee Tai Kung Don', 'Virginia'.

**269711.** No. 260. 'Feng Lee You Don', 'Spanish'.

**269712.** No. 261. 'Tsing Dao', 'Spanish'.

**269713.** No. 262. 'Tainan No. 1', 'Spanish'. Sept. 1956.

**269714.** No. 263. 'Fan Di No. 17', 'Spanish'.

**269715.** No. 264. 'Java Pure Line No. 21', 'Spanish'.

**269716.** No. 265. 'Lung Tan You Don', 'Spanish'.

**269717.** No. 266. P 49-B-146, 'Spanish'.

**269718.** No. 267. 'Tainan No. 2'. 'Spanish'. Sept. 1956.

**269719.** No. 268. 'Southern Cross', 'Spanish'.

**269684 to 269726—Continued****269709 to 269723—Continued**

269720. No. 269. 'Tate Rakuda', 'Virginia Bunch'.

269721. No. 270. 'Kurume-Otsubu-Bansei No. 1', 'Virginia Bunch'.

269722. No. 271. 'Kurume-Otsubu-Bansei No. 2', 'Virginia Bunch'.

269723. No. 301. 'Virginia Red'. Israel. 1959.

269724 to 269726. *ARACHIS MONTICOLA* Krapovickas & Rigoni. Peanut.  
Argentina, 1954. 'Chinese'.

269724. No. 273.

269725. No. 278.

269726. No. 280.

**269727. ORYZA LATIFOLIA Desv. Poaceae.**From Panama. Seeds presented by Rafael Rioboo, San Lorenzo. Received  
Nov. 22, 1960.**269728 and 269729. PHALARIS ARUNDINACEA L. Poaceae.**  
**Reed canarygrass.**From the United States. Seeds held at the United States Regional Plant  
Introduction Station, Ames, Iowa. From the T.P. Kent farm, Flat Rock,  
Illinois. Received Nov. 22, 1960.

269728. No. 1. Dwarf type.

269729. No. 2. Plants tall, leafy, vigorous; southern type; poor seed  
producer; good cattle forage.**269730. LOTUS AUSTRALIS Andrews Fabaceae.**From New Caledonia. Seeds presented by the Commission du Pacifique Sud,  
Noumea. Received Nov. 22, 1960.

Growing wild on sandy coral beach.

**269731. INDIGOFERA KIRILOVII Maxim. Fabaceae.**  
**Kirilow indigo.**From Korea. Seeds presented by the Agricultural Experiment Station, Su-  
won. Received Nov. 22, 1960.**269732 to 269738.**From India. Rhizomes and cuttings collected by J. R. Harlan, agricultural  
explorer, Crops Research Division, Plant Industry Station, Beltsville,  
Md. Received Nov. 22, 1960.

Agricultural College, Poona.

**269732 to 269737. MUSA sp. Musaceae.**

269732. Col. No. 1637. 'Harichal'.

269733. Col. No. 1638. 'Kullan'.

269734. Col. No. 1641. 'Lal-welchi'.

269735. Col. No. 1636. 'Poovan'.

269736. Col. No. 1640. 'Rajapuri'.

269737. Col. No. 1639. 'Walha'.

**269738. MANGIFERA INDICA L. Anacardiaceae.**  
**Mango.**  
Col. No. 1644. 'Rumani'. Cuttings.

**269739 and 269740.**

From British West Indies. Seeds presented by the American Cocoa Research Institute, St. Vincent, unless otherwise noted. Received Nov. 23, 1960.

**269739.** *ALYSICARPUS VAGINALIS* (L.) DC. Fabaceae. Alyceclover.

Col. No. 113. 'Feed Weed'. Recumbent ground cover; soil poor.

**269740.** *THESPESIA POPULNEA* (L.) Soland. ex Correa. Malvaceae. Portiatree.

Col. No. 114. 'Seaside Moho'. From Antigua. Low-growing, shrubby tree; leaves glossy; flowers yellow. Possible ornamental.

**269741 to 269758. ZEA MAYS L. Poaceae. Corn.**

From the United States. Seeds held in storage at the United States Plant Introduction Station, Ames, Iowa. Numbered Nov. 23, 1960.

Missouri open-pollinated varieties.

**269741.** 'Quitman's White Dent'. From Northwest Missouri, via Quaker Oats Co., 1948.

**269742.** 'Rustlers White Dent'. From Cole County, 1949.

**269743.** 'Shoe Peg'. From W. T. Rieger, Dora via county agent 1955.

**269744.** 'Perkins Yellow Dent'. Source unknown, but it has been grown in Adair County for years; 90 day variety; grain dark yellow, may be high in yellow pigments.

**269745.** 'Knapp White'. Source unknown 1949.

**269746.** 'Commercial White'. Collected in Lamar, 1947.

**269747.** '90-Day White'. Source unknown.

**269748.** 'Ozark White'. From the Ozarks, 1948.

**269749.** 'Ladysmith's White Pearl'. From South America.

**269750.** 'Natal White Horsetooth'. From South America.

**269751.** 'American White Flint'. From South America.

**269752.** 'Big St. Charles White'. Source unknown. 1946.

**269753.** 'St. Charles White'. Grown by Poirot, Golden City, 1956.

North Dakota open-pollinated varieties.

**269754.** Bulk six. Yellow dent. Consists of 'Minn. 13' ('Haney'), 'Alta', 'Hoover', 'Idaho', 'Mustoe', 'Square Deal'.

**269755.** Bulk seven. White dent. Consists of 'Rustler' and 'Pioneer'.

**269756.** Bulk eight. Yellow dent. Consists of 'Commando', 'Early Golden', 'Hubbard', 'Hubbard Bantam', 'Golden Gem', 'Golden Bantam', 'Mitchell', 'Early June', 'Sunshine', 'Premorskoya'.

**269757.** Bulk nine. Yellow pop. 'Tom Thumb'.

**269758.** Bulk ten. White pop. 'Jap Hulless'.

**269759. CITROPSIS sp. Rutaceae.**

From Brazil. Seeds presented by the Instituto Agronomico, Piracicaba, Sao Paulo. Received Nov. 23, 1960.

**269760 to 269826.**

From Great Britain. Seeds presented by Unilever Limited, Colworth House, Sharnbrook, Bedford, England. Genotype collection, received Nov. 25, 1960.

**269760 and 269761.** *PISUM ELATIUS* Bieb. Fabaceae.

**269760.** Aa37. No. 30. Royal Botanic Gardens, Kew.

**269761.** Aa135. P. 86. Praha-Ruzyne. Leningrad Collection, Reading.



## 269760 to 269826—Continued

269762 and 269763. *PISUM JOMARDII* Schrank.

269762. Aa38. No. 42. Royal Botanic Gardens, Kew

269763. Aa86. P. 8. Percival Collection, Reading.

269764 to 269826. *PISUM SATIVUM* L.

269764. Aa27. 'Witham Wonder'. Dwarf line 4. From Aalnarp, Sweden.

269765. Aa30. 'Fruhe Niederige'. Dwarf line 1. From Aalnarp, Sweden.

269766. Aa32. 'DeHaan 204.1'. Dwarf line 6. From Aalnarp, Sweden.

269767. Aa33. 'Thibet 7'. Tall line 87. From Aalnarp, Sweden.

269768. Aa34. 'Nilkons Extra Rapide'. Line 83. From Aalnarp, Sweden.

269769. Aa35. 'DeWinton'. Tall line 48. From Aalnarp, Sweden.

269770. Aa36. No. 29. Royal Botanic Gardens, Kew.

269771. Aa39. No. 50. Royal Botanic Gardens, Kew.

269772. Aa40. 'Dark Skinned Perfection'. Waxless rogue. Colworth House.

269773 to 269802. From Percival Collection, Reading, England.

269773. Aa82. P.3. 'Abyssinian'.

269774. Aa83. P.4. 'Sankia'.

269775. Aa84. P.5. 'Puski'.

269776. Aa85. P.6. 'Khanaka'.

269777. Aa87. P.9. 'Clamart' × 'Elatius'.

269778. Aa88. P.11 1/2298 A. 'Daisy' × 'Mummy Bicolour'.

269779. Aa89. P.12. 'Mummy White'.

269780. Aa90. P.13. 'Mummy Bicolour'.

269781. Aa91. P.14. 'French Sugar' × 'Mummy Bicolour'.

269782. Aa92. P.15. Wild parents of 'Mummy' × 'Mummy Bicolour'.

269783. Aa93. P.16. 'Golden Strawed' × 'Mummy Bicolour'.

269784. Aa94. P.17. Wild parent of 'Mummy' (3869c) × 'Mummy Bicolour'.

269785. Aa95. P.18. Wild parent of 'Mummy' × 'French Sugar'.

269786. Aa96. P.10. Purple podded, green backed.

269787. Aa97. P.22. 'Umbellata', white flowered acacia.

269788. Aa98. P.23. 'Umbellata', purple flowered acacia.

269789. Aa99. P.24. 'Tinc A Fleur Blanc', acacia, round.

269790. Aa100. P.26. 'Brochette', round.

269791. Aa101. P.27. 'Brochette', purple flowered.

269792. Aa102. P.28. 'Golden Strawed'.

269793. Aa103. P.30. 'Telephone', golden strawed.

269794. Aa104. P.32. 'Amsterdam', grey, early capucin.

269795. Aa105. P.33. Tall, early capucin.

269796. Aa106. P.34. Tall, early capucin.

269797. Aa107. P.35. Tall, grey capucin.

## 269760 to 269826—Continued

## 269773 to 269802—Continued

269798. Aa108. P.39. Delicate green black eye.  
 269799. Aa109. P.42. 'Native Chinese'.  
 269800. Aa110. P.43. 'Gris de Printemps'.  
 269801. Aa111. P.46. 'Acacia Leaved Purple Dwarf'.  
 269802. Aa112. P.47. Dwarf, purple podded.

## 269803 to 269819. Leningrad Collection, Reading, England.

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|----------------------|----------------------|
| 269803. Aa113. P.51. | 269812. Aa128. P.76. |
| 269804. Aa117. P.59. | 269813. Aa129. P.78. |
| 269805. Aa118. P.60. | 269814. Aa130. P.80. |
| 269806. Aa119. P.61. | 269815. Aa131. P.82. |
| 269807. Aa120. P.62. | 269816. Aa132. P.83. |
| 269808. Aa123. P.70. | 269817. Aa133. P.84. |
| 269809. Aa124. P.71. | 269818. Aa134. P.85. |
| 269810. Aa125. P.72. | 269819. Aa136. P.87. |
| 269811. Aa127. P.74. |                      |

## 269820 to 269826. Colworth House.

269820. Aa148. 'William Massey', Line 1.  
 269821. Aa149. 'William Massey', Line 3.  
 269822. Aa172. Fasciate, dark skinned 'Perfection'.  
 269823. Aa173. Fasciate, 'Harrisons Glory'.  
 269824. Aa174. Fasciate, 'Kelvedon Wonder'. Cotyledons yellow.  
 269825. Aa175. Fasciate, variety unknown.  
 269826. Aa176. Fasciate, 'Onward'.

## 269827 to 269833.

From Ireland. Cuttings presented by the Earl of Rosse, Birr Castle, Birr, Offaly. Received Nov. 25, 1960.

269827. *HIBISCUS PARAMUTABILIS* L. H. Bailey Malaceae.

269828. *HIBISCUS SINOSYRIACUS* L. H. Bailey

269829. *VIBURNUM EROSUM* Thunb. Caprifoliaceae.

Y.U. 15054.

269830. *VIBURNUM OVATIFOLIUM* Rehder

Eggleaf viburnum.

269831. *VIBURNUM WILSONII* Rehder

269832. *VIBURNUM* sp.

S/P.Y.U. 13561.

269833. *VIBURNUM* sp.

S/P.Y.U. 14961.

269834 to 269836. *JUGLANS REGIA* L. Juglandaceae.

Persian walnut.

From Yugoslavia. Cuttings presented by the United States Operations Mission, Belgrade. Received Nov. 28, 1960.

269834. No. 8.

269835. No. 11.

269836. No. 18.

- 269837. NANNORRHOPS RITCHIEANA** (Griffith) Wendl. ex Aitchison **Phoenixaceae.** **Mazri palm.**  
From Pakistan. Seeds presented by the Pakistan Forest Institute, Peshawar. Received Nov. 28, 1960.
- 269838 to 269840.**  
From Germany. Seeds presented by the Department of Cultivation of Marshlands. Research Station, Husum. Received Nov. 23, 1960.
- 269838. AGROSTIS STOLONIFERA** L. **Poaceae.**  
'Salzstrassgras'. Not fully maritime, but tolerates occasional flooding with sea water.
- 269839. FESTUCA RUBRA** var. **LITORALIS** G. Meyer **Poaceae.**  
'Standrotschwengel'. Good pasturegrass, forming thick carpet; tolerates occasional flooding with sea water, but not high humidity. Seeds are slow germinating.
- 269840. JUNCUS GERARDI** Loisel. **Juncaceae.**  
'Druckdahl', 'Harzgras'.
- 269841. BIXA ORELLANA** L. **Bixaceae.** **Anatto-tree.**  
From New Caledonia. Seeds presented by the South Pacific Commission, Noumea. Received Nov. 29, 1960.  
SPC No. 1224.
- 269842 to 269858.**  
From Tunisia. Seeds presented by the United States Operations Mission, Tunis. Received Nov. 28, 1960.
- 269842. BRACHYPODIUM SYLVATICUM** (Huds.) Beauv. **Poaceae.**  
Fifteen km. north of Ain Draham; about 75 cm. annual rainfall. Plants slender; heads dropping; foliage light green.
- 269843 and 269844. AMPELODESMOS MAURITANICUS** (Poir.) Dur. & Schinz **Poaceae.**  
**269843.** Limestone outcroppings, hilltops and draws, 15 km. south of Beja. Foliage coarse, edges serrate; stands dense; good watershed protection, lightly grazed.  
**269844.** Four km. west of Enfidaville.
- 269845. CUPRESSUS** sp. **Pinaceae.**  
'Tunis'. Tall, slender tree with branches to the ground. Windbreak in fairly dry areas.
- 269846 and 269847. DACTYLIS GLOMERATA** L. **Poaceae.** **Orchardgrass.**  
**269846.** Four km. west of Enfidaville. Plants well developed, moderately productive, dormant in August.  
**269847.** Dry site 60 km. southwest of El Djem, with 20 cm. annual rainfall. Plant good forage producer; dormant in August.
- 269848. DACTYLIS GLOMERATA** var. **HISPANICA** (Roth) Duby  
Limestone soil, protected area above El Kef. Plants leafy, relatively tall.
- 269849. ERAGROSTIS PAPPOSA** (Duf. ex R. & S.) Steud. **Poaceae.**  
Dry hilltop 50 km. southwest of El Djem. Good forage producer in competition with *Dactylis*, *Stipa* and *Aristida*.
- 269850. FESTUCA ARUNDINACEA** Schreb. **Poaceae.** **Tall fescue.**  
Protected area above El Kef. Annual rainfall 37 to 47 cm. Plants tall, leafy.
- 269851 and 269852. HYPARRHENIA HIRTA** (L.) Stapf **Poaceae.**  
**269851.** Shallow, rocky site 25 km. east of Tabarka.  
**269852.** Fifteen km. north of Ain Draham. Annual rainfall 75 cm. Plants have wide ecological distribution.



**269842 to 269858—Continued**

269853. *LOTUS* sp. Fabaceae.

Protected area above El Kef; annual rainfall 35 to 48 cm. Plants productive; dormant.

269854 to 269857. *ORYZOPSIS MILIACEA* (L.) Benth. & Hook. Poaceae.

269854. Near Zaghovan. Annual rainfall 25 to 30 cm. Stems and foliage green, leafy; leaves wide.

269855. Dry site five km. south of Beja. Foliage not abundant; good seed producer. Has wide ecological distribution.

269856. Four km. west of Enfidaville.

269857. Limestone site in protected area above El Kef. Annual rainfall 37 to 45 cm. Plants to 75 cm. high, leafy.

269858. *PHALARIS TRUNCATA* Guss. Poaceae.

Roadside, five km. south of Beja. Perennial; stems coarse; leaves mostly basal; seeds shatter. Good ground cover.

**269859 to 269861.**

From Great Britain. Plants presented by John Waterer Sons & Crisp, Limited. Twyford, Berks, England. Received Nov. 28, 1960.

269859 and 269860. *RHODODENDRON* (hybrids). Ericaceae.

(*R. yakusimanum* × *R. 'Fabia'* var. 'Tangerine').

269859. 'Bombi'.

269860. No. 4310.

269861. *RHODODENDRON* (hybrid).

(*R. yakusimanum* × *R. 'Doncaster'*).

'Pink Cherub'.

**269862 to 269945.**

From Pakistan. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Nov. 29, 1960.

269862. *AGROPYRON SEMICOSTATUM* (Steud.) Nees ex Boiss. Poaceae.

Col. No. 484. Pine-cedar forest, nine km. north of Murree. Elevation 1,807 meters.

269863. *AGROPYRON* sp.

Col. No. 604. Barrier, 43 km. above Balakot. Plant slender, one meter high.

269864. *AGROPYRON* sp.

Col. No. 798. Dry moraine, 57 km. above Gupis.

269865. *AGROSTIS* sp. Poaceae.

Col. No. 576. Kalam. Plants 60 cm. high.

269866. *ALOPECURUS PRATENSIS* L. Poaceae.

Meadow foxtail.

Col. No. 625. Irrigated mountain meadow, north slope, Babusar Pass. Elevation 3,785 meters.

269867. *ARISTIDA ADSCENSIONIS* L. Poaceae.

Col. No. 527. Pine forests, rocky hills. Elevation 1,500 meters. Plants 45 cm. high.

269868 to 269870. *AVENA FATUA* L. Poaceae.

Wild oats.

269868. Col. No. 794. Field, 50 km. above Gupis.

269869. Col. No. 808. Field, nine km. below Teru.

269870. Col. No. 819. Harchin. Elevation 3,000 meters.

**269862 to 269945—Continued**

- 269871 to 269875.** *BETA VULGARIS* L. *Chenopodiaceae*. **Beet.**  
 269871. Col. No. 421. Hangu bazaar.  
 269872. Col. No. 507. Balek. Mangora village bazaar, Swat.  
 269873. Col. No. 669. Nomal. From Kashgar, China. Sugar type.  
 269874. Col. No. 698. Nomal. Sugar type.  
 269875. Col. No. 920. Ishkuman.
- 269876.** *BROMUS JAPONICUS* Thunb. *Poaceae*.  
 Col. No. 529. Pine forests and rocky hills. Elevation 1,800 meters. Plants 45 cm. high.
- 269877.** *BROMUS STENOSTACHYS* Boiss  
 Col. No. 826. Rocky talus near mountain meadow, Teru, Gilgit.
- 269878.** *CARTHAMUS* sp. *Asteraceae*.  
 Col. No. 771. Dry rocky slope, three km. above Gupis.
- 269879.** *CARTHAMUS TINCTORIUS* L. *Asteraceae*. **Safflower.**  
 Col. No. 709. Three km. above Gilgit. Plants one meter high, used as hedge.
- 269880.** *CHRYSOPOGON* sp. *Poaceae*.  
 Col. No. 455. Roadside in wasteland, 10 km. southeast of Rawalpindi. Annual rainfall 87 cm. Slender stemmed bunchgrass.
- 269881 to 269883.** *CICER ARIETINUM* L. *Fabaceae*. **Chickpea.**  
 269881. Col. No. 447. Thal bazaar.  
 269882. Col. No. 609. Chenah. Naran, third barrier on Balakot-Gilgit road. Elevation 2,400 meters. Usually eaten roasted.  
 269883. Col. No. 845. Mastuj field.
- 269884 to 269886.** *DACTYLIS GLOMERATA* L. *Poaceae*. **Orchardgrass.**  
 269884. Col. No. 611. Naran, third barrier Balakot-Gilgit road. Elevation 2,400 meters.  
 269885. Col. No. 623. Irrigated mountain meadow north slope Babusar Pass. Elevation 3,785 meters.  
 269886. Col. No. 940. Nalta. Elevation 3,300 meters.
- 269887.** *DACTYLIS* sp.  
 Col. No. 533. Pine forests, rocky hills. Elevation 1,500 meters. Plants 45 cm. high.
- 269888.** *DACTYLIS GLOMERATA* L. **Orchardgrass.**  
 Col. No. 605. Barrier, 43 km. above Balakot.
- 269889.** *DIGITARIA SANGUINALIS* (L.) Scop. *Poaceae*.  
 Col. No. 412. Edge of ricefield, 26 km. east of Hangu.
- 269890.** *ELYMUS DAHURICUS* Turcz. *Poaceae*.  
 Col. No. 778. Hedgerow, 22 km. above Gupis. Elevation 2,400 meters.
- 269891.** *ELYMUS* sp.  
 Col. No. 837. Ditch bank, Mastuj. Bunchgrass one meter high.
- 269892.** *ELYMUS DAHURICUS* Turcz.  
 Col. No. 947. Nalta. Elevation 3,300 meters.
- 269893.** *FAGOPYRUM ESCULENTUM* Moench. *Polygonaceae*. **Buckwheat.**  
 Col. No. 569. 'Baru'. Ushu, Swat. Elevation 2,100 meters.

## 269862 to 269945—Continued

269894. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.  
Col. No. 676. Ditchbank, Nomal.
269895. *AGROPYRON STRIATUM* Nees  
Col. No. 528. Pine forests and rocky hills. Elevation 1,500 meters.  
Plants 45 cm. high.
- 269896 and 269897. *HETEROPOGON CONTORTUS* (L.) Beauv. ex Roem. & Schult. Poaceae.  
269896. Col. No. 411. Edge of ricefield, 26 km. east of Hangu.  
269897. Col. No. 481. Terraced hillside and pine forest, km. northeast of Rawalpindi. Elevation 1,200 meters. Upper limits of the species.
- 269898 to 269918. *HORDEUM VULGARE* L. Poaceae. Barley.  
269898. Col. No. 418. Hangu bazaar.  
269899. Col. No. 449. Thal Bazaar.  
269900. Col. No. 539. 'Or Bishy Jo'. Chagai, Swat. Elevation 980 meters.  
269901. Col. No. 547. 'Jo'. Chakesar, Swat.  
269902. Col. No. 580. Kohala, 46 km. north of Murree. Elevation 755 meters.  
269903. Col. No. 618. Edge of conifer forest, 11 km. above Naran. Elevation 2,400 meters.  
269904. Col. No. 697. Nomal. Naked, blue.  
269905. Col. No. 721. Sher-Jila. Naked, blue.  
269906. Col. No. 763. Gupis. Elevation 2,320 meters. Naked.  
269907. Col. No. 800. Sixty-seven km. above Gilgit. Elevation 2,700 meters. Naked.  
269908. Col. No. 818. Nine km. below Shandur Pass, Chitral.  
269909. Col. No. 823. Harchin.  
269910. Col. No. 836. Mastuj. White.  
269911. Col. No. 876. Reshun.  
269912. Col. No. 880. Barenis.  
269913. Col. No. 895. Chitral.  
269914. Col. No. 900. Chitral.  
269915. Col. No. 903. Chitral bazaar.  
269916. Col. No. 927. Ishkuman. Naked, blue.  
269917. Col. No. 929. Ishkuman. Naked.  
269918. Col. No. 945. Nalta. Elevation 3,300 meters. Naked.
269919. *HORDEUM* sp.  
Col. No. 825. Wet mountain meadow, 11 km. above Teru, Gilgit. Elevation 3,160 meters. Heads purple.
269920. *IMPERATA* sp. Poaceae.  
Col. No. 1023. Nine km. east of Parachinar; first irrigated tract below town.
269921. *LATHYRUS SZOWITZII* Bois. Fabaceae.  
Col. No. 820. Harchin. Elevation 3,000 meters. Vine; flowers blue.
269922. *LESPEDEZA* sp. Fabaceae.  
Col. No. 1015. In forest, seven km. west of Parachinar.



## 269862 to 269945—Continued

- 269923 to 269925. *LINUM USITATISSIMUM* L. Linaceae. **Flax.**  
 269923. Col. No. 646. Gilgit garden.  
 269924. Col. No. 668. Nomal.  
 269925. Col. No. 804. Sixty-seven km. above Gilgit. Elevation 2,700 meters.
269926. *MEDICAGO LUPULINA* L. Fabaceae. **Black medic.**  
 Col. No. 799. Field, 65 km. above Gupis.
- 269927 to 269930. *MEDICAGO SATIVA* L. **Alfalfa.**  
 269927. Col. No. 736. Singal field.  
 269928. Col. No. 741. Damas. Elevation 2,200 meters.  
 269929. Col. No. 780. Field, 40 km. above Gupis.  
 269930. Col. No. 972. Chamagar.
269931. *MELILOTUS OFFICINALIS* (L.) Lam. Fabaceae. **Yellow sweetclover.**  
 Col. No. 777. Hedgerow, 22 km. above Gupis.
269932. *MISCANTHUS* sp. Poaceae.  
 Col. No. 630. Sand dunes, Gunner Farm, banks of Indus River. Elevation 1,265 meters.
- 269933 to 269936. *NICOTIANA TABACUM* L. Solanaceae. **Common tobacco.**  
 269933. Col. No. 683. Nomal.  
 269934. Col. No. 848. Mastuj field. Plants to 45 cm. high.  
 269935. Col. No. 867. Buni field. Plants to 45 cm. high.  
 269936. Col. No. 990. Dumont.
- 269937 to 269940. *ORYZA SATIVA* L. Poaceae.  
 269937. Col. No. 536. 'Bara-Wali Jo'. Chagai, Swat. Elevation 980 meters.  
 269938. Col. No. 538. 'Girba Jowal'. Chagai, Swat. Elevation 980 meters.  
 269939. Col. No. 542. 'Kamodi'. Chagai, Swat. Elevation 980 meters.  
 269940. Col. No. 861. Miragram, 28 km. below Mastuj, Buni trail.
- 269941 and 269942. *ORYZOPSIS COERULESCENS* (Desf.) Hack. Poaceae.  
 269941. Col. No. 526. Rocky hill, two km. from Saidu, Swat. Plants to 45 cm. high.  
 269942. Col. No. 601. Barrier, 43 km. above Balakot. Bunchgrass to one meter high.
- 269943 to 269945. *PANICUM ANTIDOTALE* Retz. Poaceae.  
 269943. Col. No. 407. Thirty-two km. south of Peshawar.  
 269944. Col. No. 439. Eight km. north of Thal.  
 269945. Col. No. 454. Wasteland, 18 km. east of Indus River, road from Peshawar to Rawalpindi. Grazed.
- 269946 to 269951.**
- From Canada. Plants purchased from Eddie's Nurseries, Vancouver, British Columbia. Received Nov. 30, 1960.
- 269946 and 269947. *CORNUS NUTTALLII* Audub. ex Torr. & Gray Cornaceae. **Pacific dogwood**  
 269946. No varietal name given.  
 269947. 'Variegata'.

**269946 to 269945—Continued**

269948 and 269949. *ILEX AQUIFOLIUM* L. Aquifoliaceae. English holly.

269948. S1-1123.

269949. 'Pyramidalis'.

269950 to 269951. *PYRACANTHA* (hybrids). Malaceae.

269950. 'Edders Coral'.

269951. 'Kasan'.

**269952. COCCINEA sp. Cucurbitaceae.**

From South Africa. Plants collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Nov. 30, 1960.

Col. No. 18732. Worcester.

**269953 to 270102.**

From Pakistan. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Dec. 2, 1960.

269953 to 269960. *PANICUM MILIACEUM* L. Poaceae. Proso.

269953. Col. No. 690. Nomal.

269954. Col. No. 752. Eighteen km. above Damas.

269955. Col. No. 754. Eighteen km. above Damas. Seeds yellow.

269956. Col. No. 805. Sixty-seven km. above Gilgit. Elevation 2,700 meters.

269957. Col. No. 833. Mastuj field.

269958. Col. No. 911. Birir, Kafferestan.

269959. Col. No. 974. Dorat.

269960. Col. No. 988. Dumont.

269961. *PENNISETUM ORIENTALE* (L.) Rich.

Col. No. 534. Pine forest, rocky hills. Elevation 1,200 meters. Plants to 45 cm. high.

269962. *POA STERILIS* Bieb. Poaceae.

Col. No. 574. Rocky ledge near Ushu. Plants to 60 cm high.

269963. *POA ANGUSTIFOLIA* L.

Col. No. 817. Irrigation ditch, nine km. below Shandur Pass, Chitral. Plants heavily grazed.

269964. *SECALE CEREALE* L. Poaceae.

Rye.

Col. No. 878. Barenis, 55 km. above Chitral. Elevation 1,500 meters.

269965 and 269966. *SESAMUM INDICUM* L. Pedaliaceae.

Sesame.

269965. Col. No. 644. 'Til'. Gilgit garden.

269966. Col. No. 715. Sher-Jila.

269967 to 269973. *SETARIA ITALICA* (L.) Beauv. Poaceae. Foxtail millet.

269967. Col. No. 753. Eighteen km. above Damas.

269968. Col. No. 803. Sixty-seven km. above Gilgit. Elevation 2,700 meters. Italian millet.

269969. Col. No. 847. Mastuj field. Italian millet.

269970. Col. No. 866. Buni.

269971. Col. No. 910. Near Birir, Kafferistan.

269972. Col. No. 934. Lower Nalta. Elevation 2,400 meters.

269973. Col. No. 975. Dorat.

## 269953 to 270102—Continued

269974 and 269975. *SORGHUM HALEPENSE* (L.) Pers. Poaceae.**Johnsongrass.**

269974. Col. No. 631. Sand dunes, Gunnar Farm, banks of Indus River. Elevation 1,265 meters.

269975. Col. No. 896. Steep rock slope, Chitral. Plants to one meter high.

269976 and 269977. *SORGHUM BICOLOR* (L.) Moench.

269976. Col. No. 410. Edge of ricefield, 26 km. east of Hangu.

269977. Col. No. 511. 'Neri'. Mangora village bazaar, Swat.

269978 and 269979. *TRIFOLIUM PRATENSE* L. Fabaceae.**Red clover.**

269978. Col. No. 624. Irrigated mountain meadow, north slope, Babusar Pass. Elevation 3,785 meters. Plants robust.

269979. Col. No. 882. Barenis.

269980 to 269983. *TRIFOLIUM REPENS* L.**Whiteclover.**

269980. Col. No. 571. Near Ushu, Swat. Plants to four cm. high.

269981. Col. No. 622. Irrigated mountain meadow, north slope, Babusar Pass. Elevation 3,785 meters.

269982. Col. No. 786. Near stream, 41 km. above Gupis. Elevation 2,525 meters. Grazed.

269983. Col. No. 816. Irrigation ditch, nine km. below Shandur Pass, Chitral. Plants low growing, grazed.

269984 to 269989. *TRIFOLIUM RESUPINATUM* L.**Persian clover.**

269984. Col. No. 842. Mastuj field. High elevation.

269985. Col. No. 868. Buni.

269986. Col. No. 874. Reshun.

269987. Col. No. 918. Drosh bazaar.

269988. Col. No. 924. 'Rish Ka'. Ishkuman.

269989. Col. No. 970. 'Shaftal'. Chamagar.

269990. *TRIFOLIUM REPENS* L.

Col. No. 614. Dry, rocky rangeland in mountains, 96 km. above Balakot. Heavily grazed.

269991. *TRIFOLIUM* sp.

Col. No. 1003. Dumont.

269992 to 269996. *TRIGONELLA FOENUM-GRAECUM* L. Fabaceae.**Fenugreek.**

269992. Col. No. 505. 'Mal Khosi'. Mangora village bazaar, Swat.

269993. Col. No. 585. Kohala, 45 km. north of Murree.

269994. Col. No. 613. 'Metti'. Naran, third barrier on Balakot-Gilgit road.

269995. Col. No. 653. Gilgit garden.

269996. Col. No. 667. Nomal.

269997 to 270051. *TRITICUM AESTIVUM* L. Poaceae.**Common wheat.**

269997. Col. No. 416. Hangu bazaar.

269998. Col. No. 441. Thal bazaar.

269999. Col. No. 502. Gandom. Mangora village bazaar, Swat.

270000. Col. No. 537. 'Schnow Gandom'. Chagai, Swat. Elevation 980 meters.



## 269953 to 270102—Continued

## 269997 to 270051—Continued

270001. Col. No. 543. 'Doga'. Chagai, Swat. Elevation 980 meters.  
270002. Col. No. 555. 'Gandom'. Chakesar, Swat.  
270003. Col. No. 562. Karora.  
270004. Col. No. 568. Ushu, Swat. Elevation 2,100 meters.  
270005. Col. No. 656. 'Red Kamsereti'. Gilgit.  
270006. Col. No. 657. 'White Kamsereti'. Gilgit.  
270007. Col. No. 682. Nomal.  
270008. Col. No. 688. Nomal.  
270009. Col. No. 692. Nomal.  
270010. Col. No. 693. Nomal.  
270011. Col. No. 696. Nomal.  
270012. Col. No. 699. Nomal. Seeds hard, red.  
270013. Col. No. 704. Nomal.  
270014. Col. No. 713. Sher-Jila, 40 km. above Gilgit.  
270015. Col. No. 733. Singal orchard. Elevation 2,100 meters.  
270016. Col. No. 756. Gupis. Elevation 2,320 meters.  
270017. Col. No. 761. Gupis. Elevation 2,320 meters.  
270018. Col. No. 762. Gupis. Elevation 2,320 meters.  
270019. Col. No. 764. Gilgit. Elevation 2,320 meters. From Skardu.  
270020. Col. No. 765. Gupis. Elevation 2,320 meters.  
270021. Col. No. 766. Gupis. Elevation 2,320 meters.  
270022. Col. No. 779. Field, 28 km. above Gupis.  
270023. Col. No. 821. Harchin. Elevation 3,000 meters.  
270024. Col. No. 832. Mastuj.  
270025. Col. No. 841. Threshing floor, Mastuj.  
270026. Col. No. 865. Buni.  
270027. Col. No. 869. Threshing floor, Buni.  
270028. Col. No. 872. Rashun. Elevation 1,650 meters.  
270029. Col. No. 875. Reshun.  
270030. Col. No. 879. Barenis.  
270031. Col. No. 881. Barenis.  
270032. Col. No. 892. Chitral.  
270033. Col. No. 901. Chitral bazaar.  
270034. Col. No. 905. Chitral.  
270035. Col. No. 926. Ishkuman.  
270036. Col. No. 928. Ishkuman.  
270037. Col. No. 946. Nalta. Elevation 3,300 meters.  
270038. Col. No. 957. C258. Juglate farm.  
270039. Col. No. 958. C273. Juglate farm.  
270040. Col. No. 959. 'Panjabi'. Juglate farm.  
270041. Col. No. 960. C271. Juglate farm.  
270042. Col. No. 961. C228. Juglate farm.

## 269953 to 270102—Continued

## 269957 to 270051—Continued

270043. Col. No. 962. C217. Juglate farm.

270044. Col. No. 963. C591. Juglate farm.

270045. Col. No. 964. 'Dirk'. Juglate farm.

270046. Col. No. 967. Chamagar.

270047. Col. No. 989. Dumont.

270048. Col. No. 992-A. Dumont.

270049. Col. No. 1001. Dumont.

270050. Col. No. 1006. Gunnaur.

270051. Col. No. 1007. Gunnaur.

270052 to 270057. *VICIA FABA* L. Fabaceae.

Broadbean.

270052. Col. No. 768. Gupis. Elevation 2,320 meters. Small seeded type, round.

270053. Col. No. 789. Pingal, 44 km. above Gupis.

270054. Col. No. 938. Lower Nalta.

270055. Col. No. 973. Chamogar.

270056. Col. No. 977. Dorat.

270057. Col. No. 996. Dumont.

270058. *PHASEOLUS MUNGO* L. Fabaceae.

Urd.

Col. No. 552. 'Tori-Ma-Ley'. Chakesar, Swat.

270059. *VICIA* sp. Fabaceae.

Col. No. 705. Nomal.

270060. *VICIA* sp.

Col. No. 791. Wheatfield, Pingal. Elevation 2,525 meters.

270061. *VICIA* sp.

Col. No. 835. Mastuj.

270062. *VICIA* sp.

Col. No. 935. Lower Nalta.

270063. *VICIA* sp.

Col. No. 943. Nalta. Elevation 3,300 meters.

270064. *VICIA* sp.

Col. No. 979. Dorat.

270065. *VIGNA CYLINDRICA* (L.) Skeels Fabaceae.

Catjang-pea.

Col. No. 877. 'Rambo'. Reshun.

270066 to 270069. *VIGNA SINENSIS* (Torner) Savi Fabaceae.

Cowpea.

270066. Col. No. 506. 'Lubi-ya'. Mangora village bazaar, Swat.

270067. Col. No. 556. 'Lubiya'. Chakesar, Swat.

270068. Col. No. 588. Kohala, 45 km. north of Murree.

270069. Col. No. 913. Birir.

270070 to 270102. *ZEA MAYS* L. Poaceae.

Corn.

270070. Col. No. 415. Hangu bazaar.

270071. Col. No. 444. Thal bazaar.

270072. Col. No. 499. Kohala, 46 km. north of Muree. Elevation 750 meters. Flint type.

## 269953 to 270102—Continued

270073. Col. No. 504. 'Jo'. Mangora village bazaar, Swat.  
 270074. Col. No. 535. 'Kashmioian Jowar'. Chagai, Swat. Elevation 980 meters.  
 270075. Col. No. 540. 'Spit-ami'. Chagai, Swat. Elevation 980 meters.  
 270076. Col. No. 541. 'Jowar'. Chagai, Swat. Elevation 980 meters.  
 270077. Col. No. 548. 'Jowar'. Chakesar, Swat.  
 270078. Col. No. 563. Karora.  
 270079. Col. No. 567. Ushu, Swat. Elevation 2,100 meters.  
 270080. Col. No. 595. Three km. south of Thai.  
 270081. Col. No. 596. Three km. south of Thai.  
 270082. Col. No. 606. Naran, third barrier on Balakot-Gilgit road. Elevation 2,400 meters. Flint type; used for making bread.  
 270083. Col. No. 607. Naran, third barrier on Balakot-Gilgit road. Elevation 2,400 meters.  
 270084. Col. No. 647. Gilgit garden. Ear 25 cm. long, stout, conical at end.  
 270085. Col. No. 671. Nomal. Grain white.  
 270086. Col. No. 680. Nomal. Grain white.  
 270087. Col. No. 686. Nomal. Grain yellow.  
 270088. Col. No. 718. 'Sher-Jila', yellow flint.  
 270089. Col. No. 767. Gupis. Elevation 2,320 meters.  
 270090. Col. No. 844. Mastuj field.  
 270091. Col. No. 863. Field, seven km. above Buni.  
 270092. Col. No. 873. Reshin.  
 270093. Col. No. 904. Chitral bazaar.  
 270094. Col. No. 906. Chitral.  
 270095. Col. No. 917. Drosh bazaar.  
 270096. Col. No. 923. Ishkuman.  
 270097. Col. No. 933. Pingal.  
 270098. Col. No. 937. Lower Nalta. Elevation 2,400 meters.  
 270099 to 270102. Ears and seeds small; grown only at high elevations.  
 270099. Col. No. 969. Chamagar.  
 270100. Col. No. 1004. Dumont.  
 270101. Col. No. 1005.  
 270102. Col. No. 1021. Field, about 2.5 km. up mountain from Parachinar. Elevation 2,100 meters. Flint type.

## 270103 to 270123. HIBISCUS CANNABINUS L. Malvaceae.

Kenaf.

From Guatemala. Seeds presented by the United States Operations Mission, Guatemala City. Received Dec. 5, 1960.

Self pollinated. Mass selection unless otherwise indicated.

- |              |                                     |
|--------------|-------------------------------------|
| 270103. G-1. | 270106. G-14.                       |
| 270104. G-4. | 270107. G-21.                       |
| 270105. G-7. | 270108. G-27. Individual selection. |



## 270103 to 270123—Continued

270109. G-29.	270117. G-47.
270110. G-30-31.	270118. G-48.
270111. G-32.	270119. G-49.
270112. G-39.	270120. G-52.
270113. G-41.	270121. G-54.
170114. G-42.	270122. G-58.
270115. G-44.	270123. G-63-64.
270116. G-46.	

## 270124. LIMONIA ACIDISSIMA Houtt. Rutaceae.

From Thailand. Seeds presented by the Botanical Section, Department of Agriculture, Bangkok. Received Dec. 5, 1960.

'Kra-jae' or 'Phaya-ya'. Plant medium high; stem yellowish white, spiny; leaves imparipinnate; rachis winged; flowers small, in umbels; fruit globular to one cm. in diameter. Bark and wood used in medicine and as a perfume component.

## 270125 to 270130. GLYCINE MAX (L.) Merrill Fabaceae.

Soybean.

From Mexico. Seeds presented by the Direccion General de Defensa Agricola, Mexico City. Received Dec. 5, 1960.

270125. 'Palmetto'.	270128. D-430-422.
270126. D-49-286.	270129. D-584-5.
270127. D-423-777.	270130. N-45-3728.

## 270131. CARICA PAPAYA L. Papayaceae.

Papaya.

From India. Seeds presented by the Indian Council of Agricultural Research, New Delhi. Received Dec. 5, 1960.

'Coorg Honey'. A new variety, bearing within a year; tree yields 30 to 40 fruits per annum, weighing 90 to 120 pounds. June to November fruits are smallest, sweetest and almost seedless. Free from the undesirable odor sometimes found in papaya.

## 270132 to 270136. TRITICUM DURUM Desf. Poaceae.

Durum wheat.

From Portugal. Seeds presented by the Estacao de Melhoramento de Plantas, Elvas. Received Dec. 5, 1960.

270132. 298A. 'Amarelejo'. 'Preto Amarelo 8857' × 'Alexandre 2293'.
270133. 2525. 'Preto Amarelo'. Seeds yellow-black.
270134. 2837. 'Lobeiro'.
270135. 3621A. 'Balatuta'. (Trigo de Primavera) Linha do Hamira.
270136. 3823. 'Guadiana'. 'Preto Amarelo 8857' × 'Sta Marta'.

## 270137. BIXA ORELLANA L. Bixaceae.

Anatto-tree.

From Uganda. Seeds presented by the Serere Experimental Station, Soroti. Received Dec. 5, 1960.

## 270138. BIXA ORELLANA L. Bixaceae.

Anatto-tree.

From Brazil. Seeds presented by the Secretaria da Agricultura, Instituto Agronomico, do Est. de S. Paulo, Sao Paulo. Received Dec. 5, 1960.

**270139 to 270143.**

From India. Seeds presented by the United States Technical Cooperation Mission, United States Embassy, New Delhi. Received Dec. 5, 1960.

**270139. CITRULLUS COLOCYNTHIS (L.) Schrad. Cucurbitaceae. Colocynth.**

From the Department of Horticulture, Indian Agricultural Research Institute. Wild species, very hardy; seeds germinate very slowly; fruit 12.5 to 15 cm. in diameter, bitter; interspecific hybrids, seedless or nearly so.

**270140 to 270143. CITRULLUS LANATUS (Thumb.) Mansf. Watermelon.**

From the Department of Horticulture, Indian Agricultural Research Institute.

**270140.** Col. No. V13. From Ambala. Inbred 5 years; rind tough; probably fusarium resistant.

**270141.** Col. No. C39. From Tunk Rajasthan. Skin deep blackish green; flesh red; sugar content 6.5 percent.

**270142.** Col. No. C47. New Delhi market. Skin green, flesh deep red; sugar content seven percent.

**270143.** Col. No. C71. Skin rough, green; flesh pink; sugar content five percent.

**270144 and 270145. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. Watermelon.**

From Greece. Seeds presented by the United States Operations Mission, Athens. Received Dec. 5, 1960.

**270144.** 'Angelokastron'. Plants vigorous; melons irregular green striped; rind thin; flesh dark red; fruits average 11 to 13 pounds; dry land yield 3,500 to 5,500 pound per acre; fertile soil, adequate moisture, up to 6,600 pounds per acre; matures one week earlier than 'Manolados'. Ships well.

**270145.** 'Manolados'. ('Elias Nomos'). Plants vigorous; rind dark green, thick; flesh dark red; fruits average 22 pounds on fertile soil with adequate moisture; dry land yield 15,000 to 20,000 pounds per acre; irrigated land 44,000 pounds per acre; late variety.

**270146 to 270155.**

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico City. Received Dec. 5, 1960.

**270146. AGAPANTHUS AFRICANUS (L.) Hoffmannsegg Liliaceae.**

No. 1-N. Mexico City. Elevation 2,170 meters. Flowers blue.

**270147. CYPHOMANDRA BETACEA (Cav.) Sendt. Solanaceae. Tree-tomato.**

No. 8-N. Jalapa.

**270148. DAHLIA sp. Asteraceae.**

No. 5-N. Acultzingo. Elevation 2,080 meters. Flowers lavender.

**270149. LYCOPERSICON ESCULENTUM var. CERASIFORME (Dun.) Gray Solanaceae. Tomato.**

No. 6-N. 'Jitomate'. Tuxtepec. Elevation 46 meters.

**270150. LYCOPERSICON PIMPINELLIFOLIUM (Jusl.) Mill. Currant tomato.**

No. 7-N. 'Jitomate'. Tuxtepec. Elevation 46 meters.

**270151. QUAMOCLIT COCCINEA (L.) Moench. Convolvulaceae.**

No. 9-N. 'Bandera Espanola'. Chapingo.

**270152. ZEA MAYS L. Poaceae.**

Corn.

No. 10-N. 'Elote-Tehuacan C-12'. Mexico City. Popular Mexican green corn.

**270146 to 270155—Continued**270153. *ZINNIA* sp. Asteraceae.

No. 2-N. 'Mal de Ojo'. Cortazar. Elevation 1,628 meters. Flowers red.

270154. *ZINNIA* sp.

No. 3-N. 'Mal de Ojo'. Cortazar. Elevation 1,628 meters. Flowers pink.

270155. *ZINNIA* sp.

No. 4-N. 'Mal de Ojo'. Cortazar. Elevation 1,628 meters. Flowers rose red.

**270156 and 270157. *VITIS VINIFERA* L. Vitaceae.****European grape.**

From Portugal. Cuttings presented by the Agricultural Attache, United States Embassy, Lisbon. Received Dec. 6, 1960.

270156. 'Bual de Madeira'.

270157. 'Terrantez'.

**270158 to 270166. *VIBURNUM* sp. Caprifoliaceae.**

From Great Britain. Cuttings presented by Nymans Gardens, Handcross, Sussex, England. Received Dec. 6, 1960.

270158. No. 1.

270163. No. 6.

270159. No. 2.

270164. No. 7.

270160. No. 3.

270165. No. 8.

270161. No. 4.

270166. No. 9.

270162. No. 5.

**270167 to 270170. *SACCHARUM* (hybrids). Poaceae.****Sugarcane.**

From Puerto Rico. Cuttings presented by the Agricultural Experiment Station, Rio Piedras. Received Dec. 6, 1960.

270167. P.R. 1013.

270169. P.R. 1057.

270168. P.R. 1016.

270170. P.R. 1064.

**270171 to 270286. *LYCOPERSICON ESCULENTUM* L. Solanaceae.  
Tomato.**

From the United States. Seeds held in storage at the Agricultural Experiment Station, Wooster, Ohio. Numbered Dec. 7, 1960.

P.I. No.	Acc. No.	Variety name	Source
270171.	3739	'Baltimore' -----	Ferry Morse Seed Co., Detroit, Mich.
270172.	3701	'Bonny Best' -----	Holmes Seed Co., Canton, Ohio.
270173.	3702	'Bounty' -----	Do.
270174.	3703	'Break O'Day' -----	Ferry Morse Seed Co., Detroit, Mich.
270175.	3741	'Cardinal' -----	Do.
270176.	3704	'Cobourg' -----	Hort. Expt. Station, Vineland, Ont.
270177.	3705	'Comet' -----	Joseph Harris Co., Rochester, N. Y.
270178.	3738	'Coopers Special' -----	Holmes Seed Co., Canton, Ohio.



## 270171 to 270286—Continued

<i>P.I. No.</i>	<i>Acc. No.</i>	<i>Variety name</i>	<i>Source</i>
270179.	3740	'Crack Proof Pink' -----	Ferry Morse Seed Co., Detroit Mich.
270180.	3706	'Dwarf Champion' -----	Holmes Seed Co., Canton, Ohio.
270181.	3708	'Earliana Pennsylvan' -----	Do.
270182.	3709	'Early Red' -----	F. H. Woodruff & Sons, Milford, Conn.
270183.	3742	'Firesteel' -----	Ferry Morse Seed Co., Detroit, Mich.
270184.	3711	'Garden State' -----	Campbell Soup Co., Rivertown, N. J.
270185.	3710	'Globe, Association' -----	Ohio Agr. Expt. Sta., Wooster, Ohio.
270186.	3713	'Globe, Livingston' -----	Livingston Seed Co., Columbus, Ohio.
270187.	3712	'Globe, Strain A' -----	Ohio Agr. Expt. Sta., Wooster, Ohio.
270188.	3714	'Globelle' -----	Do.
270189.	3715	'Growthens Globe' -----	F. H. Woodruff & Sons, Milford, Conn.
270190.	3716	'Gulf State Market' -----	Do.
270191.	3717	'Indiana-Baltimore' -----	Vaughn Seed Co., Chicago, Ill.
270192.	3743	'John Baer' -----	Ferry Morse Seed Co., Detroit, Mich.
270193.	3718	'J. T. Dorrence' -----	Campbell Soup Co., Rivertown, N. J.
270194.	3719	'June Pink' -----	Ferry Morse Seed Co., Detroit, Mich.
270195.	3722	'Long Red' -----	Do.
270196.	3720	'Louisiana Pink' -----	Do.
270197.	3721	'Louisiana Red' -----	Reuter Seed Co., Inc., New Orleans, La.
270198.	3723	'Marglobe' -----	Holmes Seed Co., Canton, Ohio.
270199.	3724	'Michigan St. Forcing' -----	Michigan State Univ., Lansing, Mich.
270200.	3744	'Morse's 498' -----	Ferry Morse Seed Co., Detroit, Mich.
270201.	3725	'New Stone' -----	Ohio Agr. Expt. Sta., Wooster, Ohio.
270202.	3745	'Oxheart' -----	Ferry Morse Seed Co., Detroit, Mich.
270203.	3726	'Pan America' -----	F. H. Woodruff & Sons, Milford, Conn.
270204.	3746	'Pearson' -----	Ferry Morse Seed Co., Detroit, Mich.
270205.	3747	'Pennheart' -----	Do.
270206.	3727	'Ponderosa' -----	Holmes Seed Co., Canton, Ohio.
270207.	3729	'Pritchard' -----	Do.

## 270171 to 270286—Continued

<i>P.I. No.</i>	<i>Acc. No.</i>	<i>Variety name</i>	<i>Source</i>
270208.	3730	'Queens'	Ferry Morse Seed Co., Detroit, Mich.
270209.	3731	'Rutgers'	New Jersey Expt. Sta., New Brunswick, N. J.
270210.	3733	'Sioux'	Associated Seed Growers, Inc., New Haven, Conn.
270211.	3735	'Stokesdale'	Francis C. Stokes Co., Vincenttown, N. J.
270212.	3736	'Valiant'	Joseph Harris Co., Rochester, N. Y.
270213.	3737	'Victor'	Michigan State Univ., Lansing, Mich.
270214.	3851	'Angora'	M. Hardin, Geary, Okla.
270215.	3852	'Baby Lea'	S.E. Veg. Breeding Lab., Charles- ton, S. C.
270216.	3882	'Bison'	Ferry Morse Seed Co., Detroit, Mich.
270217.	3853	'Blackhawk'	Hort. Dept., Univ. of Ill., Urbana, Ill.
270218.	3883	'Burgess Crack Proof'	Burgess Seed Co., Galesburg, Mich.
270219.	3854	'Camdown'	Hort. Expt. Sta., Vineland, Ont.
270220.	3855	'Dwarf recessive'	S.E. Veg. Breeding Lab., Charles- ton, S. C.
270221.	3856	'Early Baltimore'	Hort. Dept., Univ. of Ill., Urbana, Ill.
270222.	3857	'Early Canner'	Hort. Dept., Univ. of Ill.
270223.	3858	'Early Hybrid Giant'	Peto Seed Co., Saticoy, Calif.
270224.	3859	'Early Hycross'	Do.
270225.	3860	'Early Prolific'	Do.
270226.	3885	'Early Santa Clara Can'	Ferry Morse Seed Co., Detroit, Mich.
270227.	3861	'Extreme Dwarf Det.'	S.E. Veg. Breeding Lab., Charles- ton, S. C.
270228.	3862	'Fireball'	Joseph Harris Co., Rochester, N. Y.
270229.	3863	'Giant King Hybrid'	Peto Seed Co., Saticoy, Calif.
270230.	3886	'Golden Sphere'	Tomato Disease Lab., Jacksonville, Tex.
270231.	3864	'Harknese'	Hort. Expt. Sta., Vineland, Ont.
270232.	3865	'Homestead'	Corneli Seed Co., St. Louis, Mo.
270233.	3866	'Imp. Wasatch Beauty'	Hort. Expt. Sta., Vineland, Ont.
270234.	3890	'Loran Blood'	Utah Agr. Expt. Sta., Logan, Utah
270235.	3887	'Manahill'	Fla. Expt. Sta., Bradenton, Fla.
270236.	3888	'Manalucie'	Gleckler Seed Co., Metamora, Ohio.
270237.	3889	'Manasota'	Fla. Expt. Sta., Bradenton, Fla.
270238.	3867	'Norduke'	S.E. Veg. Breeding Lab., Charles- ton, S. C.

## 270171 to 270286—Continued

<i>P.I. No.</i>	<i>Acc. No.</i>	<i>Variety name</i>	<i>Source</i>
270239.	3897	'Ohio W-R Brookston'	Ohio Agr. Expt. Sta., Wooster, Ohio.
270240.	3869	'Pennred'	Hort. Expt. Sta., Vineland, Ont.
270241.	3870	'Pinkshipper'	U.S.D.A., Beltsville, Md.
270242.	3871	'Prainina'	Hort. Dept. Univ. of Ill., Urbana, Ill.
270243.	3872	'Roma'	U.S.D.A., Beltsville, Md.
270244.	3873	'Southland'	Corneli Seed Co., St. Louis, Mo.
270245.	3893	'Potentate'	Hort., Expt. Sta., Vineland, Ont.
270246.	3874	'Stemless Penn Orange'	S.E. Veg. Breeding Lab., Charles- ton, S. C.
270247.	3891	'Sterling Castle'	Hort. Expt. Sta., Vineland, Ont.
270248.	3875	'Sugar'	S.E. Veg. Breeding Lab., Charles- ton, S. C.
270249.	3876	'Sunray'	U.S.D.A., Beltsville, Md.
270250.	3894	'Texto 2'	Tomato Disease Lab., Jacksonville, Tex.
270251.	3877	'Urbana'	Corneli Seed Co., St. Louis, Mo.
270252.	3879	'V-121'	Mort. Expt. Sta., Vineland, Ont.
270253.	3878	'Vagabond'	Do.
270254.	3895	'Veto Mold'	Do.
270255.	3880	'Vulcan'	Do.
270256.	3896	'White Beauty'	Burgess Seed Co., Galesburg, Mich.
270257.	3881	'W. Flowered Marglobe'	S.E. Veg. Breeding Lab., Charles- ton, S. C.
270258.	3965	'Budzien'	John Budzien, Milwaukee, Wisc.
270259.	3975	'Burgess Early Wonder'	Burgess Seed Co., Galesburg, Mich.
270260.	3978	'Burgess Lemon'	Do.
270261.	3976	'B. Mammoth Wonder'	Do.
270262.	3980	'Chesapeake'	Univ. of Maryland, College Park, Md.
270263.	3988	'Chicago #1'	Ohio Agr. Expt. Sta., Wooster, Ohio.
270264.	3984	'Corn. Crack Res.	
55-512			Cornell Agr. Expt. Sta., Ithaca, N. Y.
270265.	3982	'C. Crack Res. 55-539'	Do.
270266.	3983	'C. Crack Res. 55-542'	Do.
270267.	3985	'C. Crack Res. 55-548-2'	Do.
270268.	3986	'C. Crack Res. 55-549-2'	Do.
270269.	3979	'Early Scarlett'	Gleckler's Seed Co., Metamora, Ohio.
270270.	3954	'Gem'	N.Y.S. Agr. Expt. Sta., Geneva, N. Y.
270271.	3989	'German Sugar T & 5M'	S.E. Veg. Breeding Lab., Charleston, S. C.



## 270171 to 270286—Continued

P.I. No.	Acc. No.	Variety name	Source
270272.	3977	'Gold Dust Crack	
Proof'	-----	-----	Glecker's Seed Co., Metamora, Ohio.
270273.	3970	'Harrow'	-----Stokes Seed Co., St. Catherines, Canada.
270274.	3986	'Marhio'	-----Ohio Agr. Expt. Sta., Wooster, Ohio.
270275.	3966	'Marietta #1'	-----Do.
270276.	3961	'Master Marglobe'	-----Stokes Seed Co., Vincenttown, N. Y.
270277.	3973	'Ohio W-R Globe'	-----Ohio Agr. Expt. Sta., Wooster, Ohio.
270278.	3964	'Ohio W-R Jubilee'	-----Do.
270279.	3967	'Ontario'	-----Campbell Soup Co., Rivertown, N. J.
270280.	3960	'Pearl Harbor'	-----Ohio Agr. Expt. Sta., Wooster, Ohio.
270281.	3951	'Porter Tomato'	-----Porter & Sons, Stephenville, Tex.
270282.	3981	'Purdue 1361'	-----Purdue University, La Fayette, Ind.
270283.	3953	'Red Jacket'	-----N.Y.S. Agr. Expt. Sta., Geneva, N. Y.
270284.	3952	'S1446 Summer Cherry'	-----Tomato Disease Lab., Jacksonville, Tex.
270285.	3987	'Wash. State Forcing'	-----Wash. State College, Pullman, Wash.
270286.	3959	'Westernred'	-----Glecker's Seed Co., Metamora, Ohio.

## 270287. CROTALARIA QUINQUEFOLIA L. Fabaceae.

From Surinam. Seeds presented by the Agricultural Experiment Station, Paramaribo. Received Dec. 7, 1960.

## 270288 to 270297. ZEA MAYS L. Poaceae.

Corn.

From Countries indicated. Seeds held in storage at the United States Regional Plant Introduction Station, Ames, Iowa. Numbered Dec. 7, 1960.

270288. No. A-20. From Dagestan, U.S.S.R. Received July 1958.
270289. No. A-25. From Azerbaijan, U.S.S.R. Received July 1958. Late yellow and white dent, flint mixture; kernel medium size.
270290. No. A-25-A. From Azerbaijan, U.S.S.R. Received July 1958. Late white dent; kernels large. Separate from A-25.
270291. No. A-35. 'Flint 234'. From Muldania Province, U.S.S.R. Received April, 1959. A red-yellow flint mixture.
270292. No. A-36. 'Chirpan 87'. From Bulgaria. Received April, 1959. Yellow flint variety.
270293. No. A-39. 'Bessarabka'. From Muldania Province, near Rumania, U.S.S.R. Received April, 1959. Yellow flint variety.
270294. No. A-41. 'Gorky at Lenin'. From Moscow region, U.S.S.R. Received April, 1959. White dent variety reported to be very early and cold resistant.
270295. No. A-42. 'Pervenets'. From OMSR District, Siberia, U.S.S.R. Received April 1959. Yellow-red flint mixture.
270296. No. A-98. From Turkey. White rice popcorn, separate from P.I. 182325.

**270288 to 270297—Continued**

**270297.** No. A-47. Inbred 41: 2504 B from the University of Buenos Aires, Argentina. 'Amargo'. Golden flint variety reported resistant to grasshoppers (*Schistocerca* and *Dicropus* sp.). Requires 79 days to silking at Ames. Best known for its high resistance to corn-borer feeding, which is readily extracted after crossing.

**270298. COFFEA ARABICA L. Rubiaceae. Arabian coffee.**

From Portugal. Seeds presented by the Centro de Investigacao das Ferrugenes do Cafeeiro. Received Dec. 7, 1960.

No. 1343. 'Hibrido de Timor'.

**270299 to 270304.**

From the Union of South Africa. Bulbs and seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Dec. 7, 1960.

Bulbs unless otherwise noted.

**270299.** GETHYLLIS sp. Amaryllidaceae.

Col. No. 18753. Van Rhynsdorp, Cape Town.

**270300.** GLADIOLUS sp. Iridaceae.

Col. No. 18735. Nieuwoudtville, Cape Town. (Corms.)

**270301.** GLORIOSA SUPERBA L. Melanthiaceae.

Col. No. 18737. East London, Cape Town. (Seeds.)

**270302.** HAEMANTHUS TIGRINUS Jacq. Amaryllidaceae.

Col. No. 18752. Worcester, Cape Town.

**270303.** HAEMANTHUS sp.

Col. No. 18698. Darling, Cape Town.

**270304.** PROTEA NERIIFOLIA R. Br. Proteaceae.

Col. No. 18663. Nieuwoudtville, Cape Town. (Seeds.)

**270305. CITRUS sp. Rutaceae.**

From New Guinea. Seeds presented by the Director of Agriculture, Stock and Fisheries, Port Moresby, Papua. Received Dec. 9, 1960.

Grown at Talasea, New Britain District.

**270306 to 270309. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. Watermelon.**

From the Philippines. Seeds presented by the International Cooperation Administration, Manila.

Seeds from Santa Maria, Dulacan Province.

**270306.** Col. No. 1. Fruit small, round, matures in three months; flesh yellowish.

**270307.** Col. No. 2. 'Filipino Red'. Fruit round, small to medium, matures in three months; skin black; flesh red.

**270308.** Col. No. 3. Fruit large; skin white; flesh red.

**270309.** Col. No. 4. Fruit large; matures in three months if fertilized; skin green; flesh red.

**270310 to 270312.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Brisbane. Received Dec. 9, 1960.

**270310 to 270312—Continued**

270310 and 270311. *GLYCINE JAVANICA* L. Fabaceae.

270310. C.P.I. 23411. From Cuba.

270311. Q. 363. From Queensland.

270312. *PHASEOLUS ATROPURPUREUS* DC. Fabaceae.

'Siratro A'.

**270313. *ATRIPLEX SEMIBACCATA* R. Br. Chenopodiaceae.**

From Argentina. Seeds presented by P. S. Echenique, El Zorro Company, San Jose. Received Dec. 9, 1960.

'Creeping Saltbush Grass'. Reportedly drought resistant, and supposedly grows well in poor sandy, and mildly alkaline soils, and on saline seashores. From South Africa.

**270314 and 270315.**

From Norway. Seeds received through the Alfalfa Investigations, Forage and Range Research Branch, Beltsville, Md. Received Dec. 9, 1960.

270314. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

'du Puits'.

270315. *MEDICAGO TIANSHANICA* Vassilcz.

**270316 to 270328.**

From Uganda. Seeds presented by the East African Agriculture and Forestry Research Organization, Serere, Soroti. Received Dec. 9, 1960.

270316 and 270317. *HYPARRHENIA BARTERI* (Hack.) Stapf Poaceae.

270316. Col. No. 1. Sixty miles from Kisumu.

270317. Col. No. 2. Ngora.

270318. *HYPARRHENIA CYMBARIA* (L.) Stapf  
Kakamega.

270319. *HYPARRHENIA DISSOLUTA* (Nees ex Steud.) C. E. Hubbard  
'Humi'.

270320 and 270321. *HYPARRHENIA FILIPENDULA* (Hochst.) Stapf

270320. Col. No. 1. Karamoja.

270321. Col. No. 2. Kumi.

270322 to 270326. *HYPARRHENIA RUFA* (Nees) Stapf

270322. Col. No. 1. Bukedi.

270323. Col. No. 2. Karamoja.

270324. Col. No. 3. Kisumu.

270325. Col. No. 4. Sixty miles from Kisumu.

270326. Col. No. 5. Kumi.

270327. *HYPARRHENIA RUPRECHTII* (Hack.) Fourn.  
Tororo.

270328. *HYAPARRHENIA* sp.

About 40 miles from Moroto, road to Soroti.

**270329 to 270331.**

From Great Britain. Plants purchased from Hillier & Sons, Winchester, England. Received Dec. 9, 1960.

270329. *PELARGONIUM* sp. Geraniaceae.

270330. *ZELKOVA CRETICA* Spach. Urticaceae.

270331. *ZELKOVA VERSCHAFFELTII* (Dippel) Nicholson



**270332 and 270333. CORYLUS AVELLANA L. Betulaceae.****Filbert.**

From Italy. Budsticks presented by Arturo Ansaloni Nurseries, Bologna.  
Received Dec. 8, 1960.

270332. 'Tonda Gentile'.

270333. 'Tonda Romance'.

**270334 and 270335.**

From the Union of South Africa. Bulbs collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Dec. 13, 1960.

270334. BUPHANE sp. Amaryllidaceae.

Col. No. 18677. Vredendal, Cape Town.

270335. NERINE sp. Amaryllidaceae.

Col. No. 18719. Hex River Pass, Cape Town.

**270336 and 270337.**

From Israel. Seeds presented by the Agricultural Research Station, Beit Dagan, Israel. Received Dec. 13, 1960.

270336. PRUNUS ARMENIACA L. Amygdalaceae.

**Apricot.**

'Claude'.

270337. PRUNUS PERSICA (L.) Batsch

**Peach.**

'Belade.'

**270338 to 270343. CORYLUS AVELLANA L. Betulaceae. Filbert.**

From Spain. Plants and seeds presented by the Jefatura Agronomica Taragona-Espana, Barcelona. Received Dec. 15, 1960.

270338 to 270340. Plants.

270338. 'Comun'.

270339. 'Gironenca'.

270340. 'Negreta'.

270341 to 270343. Seeds.

270341. 'Comun'.

270342. 'Gironenca'.

270343. 'Negreta'.

**270344 to 270361.**

From Japan. Seeds presented by the Kyushu University, Fukuoka. Received Dec. 15, 1960.

270344. ABIES HOMOLEPIS Sieb. &amp; Zucc. Pinaceae.

**Nikko fir.**

270345. ABIES VEITCHII Lindl.

**Veitch fir.**

270346. ABIES sp.

270347. BETULA PLATYPHYLLA var. JAPONICA (Miq.) Hara Betulaceae.

270348. CHAMAECYPARIS PISIFERA (Sieb. &amp; Zucc.) Endl. Pinaceae.

270349. LARIX LEPTOLEPIS (Sieb. &amp; Zucc.) Gordon Pinaceae.

**Japanese larch.**270350. PICEA JEZOENSIS (Sieb. & Zucc.) Carr. Pinaceae. **Yeddo spruce.**

270351. PICEA JEZOENSIS var. HONDOENSIS (Mayr) Rehder

270352. PINUS DENSIFLORA Sieb. & Zucc. Pinaceae. **Japanese red pine.**

270353. PINUS KORAIENSIS Sieb. &amp; Zucc.

**Korean pine.**

## 270344 to 270361—Continued

270354. *PINUS PUMILA* (Pallas) Regel  
 270355. *PINUS THUNBERGII* Parl. Japanese black pine.  
 270356. *PYRACANTHA ANGUSTIFOLIA* (Franch.) C. Schneid. Malaceae. Narrowleaf firethorn.  
 270357. *RAPHIOLEPIS UMBELLATA* (Thunb.) Makino Malaceae. Yeddo.  
 270358. *SCIADOPITYS VERTICILLATA* (Thunb.) Sieb. & Zucc. Pinaceae. Umbrella-pine.  
 270359. *VIBURNUM EROSUM* var. *PUNCTATUM* Franch. Caprifoliaceae.  
 270360. *VIBURNUM JAPONICUM* (Thunb.) Spreng.  
 270361. *VIBURNUM ODORATISSIMUM* Ker. Sweet viburnum.

## 270362 to 270387.

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico City.  
 Received Dec. 15, 1960.

- 270362 and 270363. *BOUARDIA* sp. Rubiaceae.  
 Plants to one meter high; flowers red.  
 270362. No. 23-0. Near Mexico City. Elevation 2,170 meters.  
 270363. No. 24-0. Chalco. Elevation 2,350 meters.  
 270364 and 270365. *CASTILLEJA CANESCENS* Benth. Scrophulariaceae.  
 'Garanona'. Plants to 60 cm. high; bracts red.  
 270364. No. 18-0. Chalco.  
 270365. No. 19-0. Ixtapan. Elevation 1,720 meters.  
 270366. *COBAEA SCANDENS* Cav. Polemoniaceae.  
 No. 28-0. 'Cathedral Bells'. Mexico City.  
 270367. UNDETERMINED.  
 'Atlanchana'. Plants to 60 cm. high.  
 No. 16-0. Ixtapan. Flowers red and yellow.  
 270368. *DAHLIA* sp. Asteraceae.  
 No. 26-0. Ixtapan. Flowers single, red.  
 270369. *MUSA ENSETE* Gmel. Musaceae. Abyssinian banana.  
 No. 27-0. 'Platano de Aresinia'. Mexico City.  
 270370 and 270371. *PENSTEMON BARBATUS* (Cav.) Roth Scrophulariaceae.  
 'Tarritos'. Plants to one meter high; flowers red.  
 270370. No. 3-0. Chalco.  
 270371. No. 15-0. Puebla. Elevation 1,900 meters.  
 270372 to 270380. *PENSTEMON CAMPANULATUS* (Cav.) Willd.  
 'Tarritos'. Plants to one meter high.  
 270372. No. 1-0. Aculco. Elevation 2,080 meters. Flowers red.  
 270373. No. 2-0. Toluca. Elevation 2,900 meters. Flowers pink.  
 270374. No. 4-0. Popocatepetl. Elevation 2,350 meters. Flowers red.  
 270375. No. 9-0. Toluca. Flowers light purple.  
 270376. No. 10-0. Toluca. Flowers pink.  
 270377. No. 11-0. Toluca. Flowers lavender.  
 270378. No. 12-0. Toluca. Stems and flowers red.

**270362 to 270387—Continued****270371 to 270380—Continued**

270379. No. 13-0. Toluca. Flowers red.

270380. No. 14-0. Toluca. Flowers purple.

270381 and 270382. *PENSTEMON GENTIANOIDES* (HBK.) Poir.

'Tarritos'. Popocatepetl. Elevation 2,900 meters. Plants to 2.5 meters high; flowers purple.

270381. No. 6-0.

270382. No. 7-0.

270383. *PENSTEMON* sp.

No. 8-0. Toluca. Flowers red.

270384 to 270386. *SALVIA SPLENDENS* Ker-Gawl. Menthaceae.

'Atropurpurea'. 'Mirtos'.

270384. No. 20-0. Popocatepetl. Elevation 2,900 meters. Plants one meter high; flowers red.

270385. No. 21-0. Toluca. Elevation 2,620 meters. Plants to 60 cm. high; flowers blue.

270386. No. 22-0. Toluca. Elevation 2,350 meters. Plants to 60 cm. high; flowers blue.

270387. *SYMPHORICARPUS* sp. Caprifoliaceae.

No. 25-0. 'Perlilla'. Popocatepetl. Elevation 2,980 meters. Plants woody.

**270388 to 270394.**

From Indonesia. Seeds presented by the Soil Conservation Service, Djakarta. Received Dec. 16, 1960.

270388. *TEPHROSIA CANDIDA* DC. Fabaceae.270389. *TEPHROSIA MAXIMA* Pers.270390. *TEPHROSIA NOCTIFLORA* Bojer270391. *TEPHROSIA PURPUREA* (L.) Pers.270392. *TEPHROSIA VESTITA* Vog.270393. *TEPHROSIA VILLOSA* (L.) Pers.270394. *TEPHROSIA VOGELII* Hook f.**270395 to 270401.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Dec. 16, 1960.

270395 and 270396. *ALOPECURUS PRATENSIS* L. Poaceae. Meadow foxtail.

270395. No. 1.

270396. No. 2.

270397. *DACTYLIS GLOMERATA* L. Poaceae.

Orchardgrass.

270398 and 270399. *FESTUCA ELATIOR* L. Poaceae.

Meadow fescue.

270398. No. 1.

270399. No. 2.

270400. *FESTUCA RUBRA* L.

Red fescue.

270401. *PHLEUM PRATENSE* L. Poaceae.

Timothy.

**270402. CAREX KOBOMUGI Ohwi Cyperaceae.**

From Japan. Seeds presented by the Faculty of Agriculture, Kyushu University, Fukuoka. Received Dec. 16, 1960.



**270403 to 270460.**

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico City.  
Received Dec. 16, 1960.

**270403 and 270404.** LYCOPERSICON (hybrids). Solanaceae. **Tomato.**  
'Jitomate'.

**270403.** No. 37. Tepic. Elevation 900 meters.

**270404.** No. 39. Cortazar. Elevation 1,625 meters. Fruit plum-shaped,  
two loculed, 25 grams; skin yellow; flesh red.

**270405 to 270434.** LYCOPERSICON ESCULENTUM var. CERASIFORME (Dun.)  
Solanaceae. **Tomato.**

**270405 to 270423.** From Huachinago. Elevation 1,350 meters

**270405.** No. 2. Fruit 2-5 loculed, weighs to 45 grams; skin medium  
rough; flesh red.

**270406.** No. 3. Fruit 7-10 loculed, weighs to 75 grams; skin yellow,  
rough; flesh red.

**270407.** No. 4. Fruit 2-4 loculed, weighs to 30 grams; skin yellow,  
smooth; flesh red.

**270408.** No. 5. Fruit 2-4 loculed, weighs to 30 grams; skin colorless,  
rough; flesh red.

**270409.** No. 6. Fruit 7-8 loculed, weighs to 50 grams; skin colorless,  
rough; flesh red.

**270410.** No. 7. Fruit 6-12 loculed, weighs to 75 grams; skin yellow,  
very rough; flesh red.

**270411.** No. 8. Fruit two loculed, weighs to 30 grams; skin yellow,  
smooth; flesh red.

**270412.** No. 9. Fruit six loculed, weighs to 45 grams; skin yellow,  
flattened; flesh red.

**270413.** No. 10. Fruit 9-15 loculed, weighs to 90 grams; catfaced;  
skin colorless, rough; flesh red.

**270414.** No. 11. Fruit 10-12 loculed, weighs to 90 grams; catfaced;  
skin yellow, rough; flesh red.

**270415.** No. 13. Fruit 2-4 loculed, weighs to 40 grams; skin colorless,  
smooth; flesh red.

**270416.** No. 14. Fruit 6-7 loculed, weighs to 75 grams; skin colorless,  
medium rough; flesh red.

**270417.** No. 15. Fruit 13 loculed, weighs to 120 grams; catfaced; skin  
yellow, rough; flesh red.

**270418.** No. 17. Fruit 4-6 loculed, weighs to 40 grams, flattened; skin  
yellow; flesh red.

**270419.** No. 18. Fruit 5-6 loculed, weighs to 60 grams, flattened; skin  
colorless; flesh red.

**270420.** No. 19. Fruit 12 loculed, weighs to 90 grams, catfaced; skin  
colorless; flesh red.

**270421.** No. 20. Fruit 4-9 loculed, weighs to 50 grams, flattened; skin  
colorless; flesh red.

**270422.** No. 21. Fruit six locules, weighs to 75 grams, flattened; skin  
rough; flesh red.

**270423.** No. 22. Fruit 10-12 loculed, weighs to 90 grams, catfaced;  
skin rough; flesh red.

**270424.** No. 38. Cortazar. Elevation 1,625 meters. Fruit 3-4 loc-  
uled, weighs to 50 grams; skin yellow; selfed for bright red.

**270425.** No. 40. Tehautepec. Fruit 7-8 loculed, weighs to 90 grams;  
fasciated, flesh red.

**270426.** No. 41. Acatalan. Elevation 1,265 meters. Fruit 5-8 loc-  
uled, weighs to 75 grams, flattened; skin yellow; flesh red.

**270403 to 270460—Continued**

**270427 to 270430.** Coatzacoalcos. Sea level.

**270427.** No. 42. Fruit 6-10 loculed, weighs to 90 grams; skin yellow, rough; flesh red.

**270428.** No. 43. Fruit 6-7 loculed, weighs to 90 grams; skin yellow, rough; flesh red.

**270429.** No. 44. Fruit 7-9 loculed, weighs to 75 grams; skin yellow, rough; flesh red.

**270430.** No. 45. Fruit 8-9 loculed, weighs to 90 grams; skin yellow, rough; flesh red.

**270431.** No. 46. Cortazar. Elevation 1,625 meters. Fruit 6-9 loculed, weighs to 120 grams; skin yellow; flesh red.

**270432.** No. 50. Tehuacan. Elevation 1,350 meters. Fruit 4-5 loculed, weighs to 90 grams; skin colorless; flesh red.

**270433.** No. 51. Tehuacan. Elevation 1,350 meters. Fruit 7-11 loculed, weighs to 120 grams; skin colorless; flesh red.

**270434.** No. 52. Tehuacan. Elevation 1,350 meters. Fruit 20 locules, weighs to 150 grams; skin colorless; flesh red.

**270435.** *LYCOPERSICON PERUVIANUM* (L.) Mil.

No. 48. Fruit 20 loculed, weighs to 10 grams, green.

**270436 to 270454.** *LYCOPERSICON PIMPINELLIFOLIUM* (Jusl. in L.) Mill.  
Currant tomato.

**270436 to 270438.** Huachinango. Elevation 1,350 meters.

**270436.** No. 1. Fruit 2-3 locules, weighs to 25 grams; skin smooth; flesh red.

**270437.** No. 12. Fruit two locules, weighs to 25 grams; skin smooth; flesh red.

**270438.** No. 16. Fruit 2-3 loculed, weighs to 20 grams; skin colorless, smooth; flesh red.

**270439.** No. 23. Papantla. Elevation 900 meters. Fruit two loculed, weighs to 20 grams, pear shape; flesh red.

**270440.** No. 24. Villa Jaurez. Elevation 1,085 meters. Fruit two loculed, weighs to 20 grams; flesh red.

**270441 to 270447.** Papantla. Elevation 900 meters.

**270441.** No. 25. Fruit two loculed, weighs to 20 grams; flesh red.

**270442.** No. 26. Fruit two loculed, weighs to 20 grams; flesh yellow.

**270443.** No. 27. Fruit two loculed, weighs to 20 grams, pear shape; flesh red.

**270444.** No. 28. Fruit two loculed, weighs to 20 grams; flesh red.

**270445.** No. 29. Fruit two loculed, weighs to 20 grams; flesh red.

**270446.** No. 30. Fruit three loculed, weighs to 30 grams; flesh red.

**270447.** No. 31. Fruit two loculed, weighs to 20 grams; flesh red.

**270448 to 270452.** Villa Jaurez. Elevation 1,085 meters.

**270448.** No. 32. Fruit two loculed, weighs to 20 grams; flesh red.

**270449.** No. 33. Fruit two loculed, weighs to 20 grams; flesh red.

**270450.** No. 34. Fruit two loculed, weighs to 20 grams; flesh red.

**270451.** No. 35. Fruit two loculed, weighs to 20 grams; flesh red.

**270452.** No. 36. Fruit two loculed, weighs to 20 grams; flesh red.

**270403 to 270460—Continued****270448 to 270452—Continued**

270453. No. 47. From Ecuador. Fruit two loculed, weighs to 20 grams; skin yellow; flesh red.

270454. No. 49. Cortazar. Elevation 1,625 meters. Fruit two loculed, weighs to 20 grams; skin yellow; flesh red.

270455. *CAPSICUM FRUTESCENS* L. Solanaceae.

Redpepper.

No. 2-V. 'Pimento'. Fruits large.

270456. *LAGENARIA SICERARIA* (Mol.) Stand. Cucurbitaceae.

Calabash gourd.

No. 6-V. 'Bule or Pumpo'. Coatlan. Bottlegourd.

270457. *LUFFA CYLINDRICA* (L.) Roemer Cucurbitaceae.

Suakwa towelgourd.

No. 5-V. 'Dishrag Gourd'. Poza Rica.

270458. *PACHYRHIZUS EROSUS* (L.) Urban Fabaceae.

Yam-bean.

No. 3-V. Apatlaco.

270459. *PHYSALIS* sp. Solanaceae.

No. 1-V. 'Jojutla'. Mexico City. Fruits large.

270460. *SICANA ODORIFERA* (Vell.) Naud. Cucurbitaceae. Casabanana.

No. 4-V. 'Calabaza Melona'. Tezintlan. Elevation 1,800 meters.

Cooked for human food.

**270461. *MALUS* sp. Malaceae.**

From Pakistan. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Beltsville, Md. Received Dec. 19, 1960.

From West Pakistan.

**270462 to 270473. *FRAGARIA* (hybrids). Rosaceae. Strawberry.**

From Germany. Plants presented by the Max-Planck Institute of Plant Breeding, Koln-Vogelsang. Received Dec. 20, 1960.

270462. 'Regina'. (M.P.I. No. 96, C1, Vioo).

270463. 'Macheraucho Fruhernte'. (M.P.I. No. 97, 25/6, Vioo).

270464. 'Weiss Ananas'. (M.P.I. No. 68, A2.)

270465. 'Senga 145'. (M.P.I. No. 117, A2, Vioo).

270466. 'Franken'. (M.P.I. No. 57, A, Vio).

270467. 'Louis Gauthier'. (M.P.I. No. 67, A1).

270468. 'Senga 54'. (M.P.I. No. 116, A2, Vioo).

270469. 'Senga 242'. (M.P.I. No. 119, C1, Vioo).

270470. 'Senga 146'. (M.P.I. No. 124, A1, Vioo).

270471. 'Kaiser's Samling'. (B.S.A.).

270472. 'Gartenbau direkto Langer'. (B.S.A.).

270473. 'Eva Macherauch'. (B.S.A.).

**270474. *RUBUS FRUTICOSUS* L. Rosaceae.**

From Sweden. Plants presented by the Balsgard Fruit Breeding Institute, Fjalkestad. Received Jan. 3, 1961.

'Bedford Giant'.

**270475 and 270476. *LILIUM AURATUM* Lindl. Liliaceae.**

Goldband lily.

From Japan. Bulbs presented by the National Institute of Agricultural Sciences, Hiratsuka, Kanagawa-ken. Received Dec. 21, 1960.



**270475 to 270476—Continued**

270475. Collected in Akita Prefecture. Northernmost habitat.

270476. Collected in Mie Prefecture. Southernmost habitat.

**270477 to 270483.**

From the Netherlands. Seeds presented by J. Joordens, Zaadhandel N.V., Venlo-Blerick. Received Dec. 21, 1960.

270477. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.

'Cocksfoot'.

Combi (J) strain.

270478. *FESTUCA ELATIOR* L. Poaceae. Meadow fescue.

Combi (J) strain. Pasture and hay.

270479 and 270480. *LOLIUM MULTIFLORUM* Lam. Poaceae. Italian ryegrass.

Combi (J) strain.

270479. 'Polypoid'.

270480. 'Westerwold's'.

270481 and 270482. *LOLIUM PERENNE* L. Perennial ryegrass.

Combi (J) strain.

270481. Pasture.

270482. Late hay.

270483. *PHLEUM PRATENSE* L. Poaceae. Timothy.

Combi (J) strain. Pasture and hay.

**270484 to 270491.**

From Japan. Plants presented by Dr. Rokujo, Tokyo. Received Dec. 22, 1960.

270484 to 270488. *CAMELLIA JAPONICA* L. Theaceae. Common camellia.

270484. 'Amagashita'. 270487. 'Serratifolia'.

270485. 'Kikuzuki'. 270488. 'Taro-Kaja'.

270486. 'Polypetal'.

270489. *CAMELLIA RUSTICANA* Honda  
Kumagayu.

270490. *CAMELLIA* sp.

'Shiranuvi'. Higo strain.

270491. *CAMELLIA* sp.

'Kamo-Hon-Ami'.

**270492 to 270497.**

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Dec. 28, 1960.

270492. *DANTHONIA STRICTA* Schrad. Poaceae.

Col. No. 18705. Seaward slope of Chapman's Peak, south of Capetown, Cape Province. Elevation 150 meters. Large leafy clumps.

**270492 to 270497—Continued**

**270493.** *EHRHARTA LONGIFOLIA* Schrad. Poaceae.

Col. No. 18696. Near Malmesbury, Cape Province. Elevation 60 meters. Perennial on sandy soil; culms to one meter high.

**270494.** *EHRHARTA* sp.

Col. No. 18704. Near the sea, Chapman's Peak, Cape Province. Elevation 150 meters. Tufted perennial.

**270495.** *EXOMIS OXYRIOIDES* Moq. Chenopodiaceae.

Col. No. 18751. Veld Reserve, Worcester, Cape Province. Wild form high in protein; for forage use.

**270496.** *HYPARRHENIA HIRTA* (L.) Stapf Poaceae.

Col. No. 18749. Pretoria pasture, Veld Reserve, Worcester, Cape Province. Selected strain, nine to 12 dm. high.

**270497.** *PASPALUM DILATATUM* Poir. Poaceae.

**Dallisgrass.**

Col. No. 18750. Veld Reserve, Worcester, Cape Province. Wild form, nine to 12 dm. high, upright.

**270498 to 270521. FRAGARIA (hybrids). Rosaceae.**

**Strawberry.**

From Czechoslovakia. Plants received from the Fruit Tree Breeding Station, Velehrad. Received Dec. 28, 1960.

<b>270498.</b> 183. 'Abundance'.	<b>270510.</b> 16. 'Mieze Schindler'.
<b>270499.</b> 3. 'Amazona'.	<b>270511.</b> 121. 'Mysovka'.
<b>270500.</b> 34. 'Deutschland'.	<b>270512.</b> 120. 'Pozdnaja Zagorja'.
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<b>270502.</b> 319. 'Esterhazy Korai'.	<b>270514.</b> 578. 'Sengana'.
<b>270503.</b> 92. 'Georg Soltwedez'.	<b>270515.</b> 606. 'Sonjana'.
<b>270504.</b> 398. 'Kievskaja Rannaja N 2'.	<b>270516.</b> 332. 'Souvenir de Charles Machiroux'.
<b>270505.</b> 118. 'Komsomolka'.	<b>270517.</b> 9. 'Surprise des Halles'.
<b>270506.</b> 577. 'Machern'.	<b>270518.</b> 160. 'Talisman'.
<b>270507.</b> 344. 'Macherauch's Fruhernte'.	<b>270519.</b> 192. 'Triumph de Tihange'.
<b>270508.</b> 343. 'Regina'.	<b>270520.</b> 337. 'Ville de Paris'.
<b>270509.</b> 262. 'Valentuv Semenac'.	<b>270521.</b> 63-9. 'Diplomat'.

**270522 to 270525. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. Watermelon.**

From Israel. Seeds presented by the United States Operations Mission, Tel-Aviv. Received Dec. 29, 1960.

Open pollinated seeds.

**270522.** 'Alpha'. A selection probably introduced from Transylvania about 15 years ago.

**270523.** 'Chilean'. Introduced from the U.S.A. about 30 years ago.

**270524.** 'Machesny'. A local variety of long standing.

**270525.** 'Malali'. Thought to be a natural cross between 'Machesny' and 'Chilean'.

**270526 to 270533. JUGLANS REGIA L. Juglandaceae.****Persian walnut.**

From Yugoslavia. Seeds presented by the United States Operations Mission, Belgrade. Received Dec. 30, 1960.

Nuts selected from vigorous trees bearing heavy crops and relatively free from blackspot.

270526. No. 73.

270531. No. 132.

270527. No. 76.

270532. No. 208. No leaf spots present.

270528. No. 86.

270529. No. 100.

270533. No. 216. No leaf spots present.

270530. No. 131.

**270534. AGAPANTHUS sp. Liliaceae.**

From the Union of South Africa. Plants collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Dec. 30, 1960.

Col. No. 18805. Near the sea in peaty soil, Klimmond, Caledon Dist., Cape Province. Plants in clustered rosettes; one of the smaller, rarer species.



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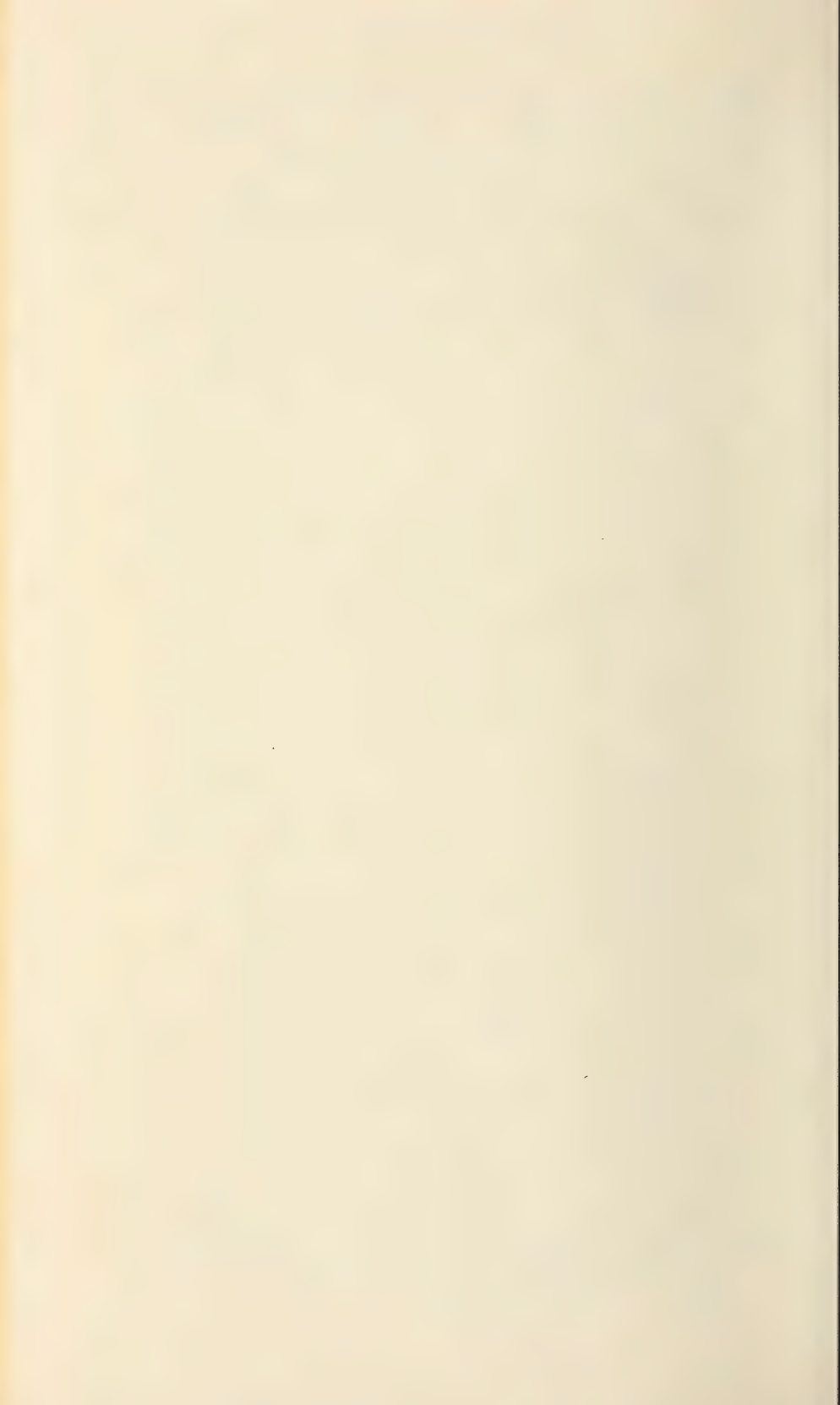


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# *Plant Inventory No. 169*

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C., July 1967



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## **PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1961 (NOS. 270535 TO 277783)**

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This inventory, No. 169, lists the plant material (Nos. 270535 to 277783) received by the New Crops Research Branch, Crops Research Division, Agricultural Research Service, during the period from January 1 to December 31, 1961. The inventory is a historical record of plant material introduced for Department and other specialists, and is not to be considered as a list of plant material for distribution.

The species names used are those under which the plant material was received. These have been corrected only for spelling, authorities and obvious synonymy. Questions related to the names published in the Inventory and obvious errors should be directed to the author. If misidentification is apparent, please submit an herbarium specimen with flowers and fruit for reidentification.

HOWARD L. HYLAND,  
*Botanist.*

*Plant Industry Station,  
Beltsville, Md.*



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# INVENTORY

## 270535 to 270536.

From Denmark. Seeds presented by the Universitetets Botaniske Have, Copenhagen. Received Jan. 3, 1961.

270535. *PISUM JOMARDII* Schrank. Fabaceae.

270536. *PISUM SATIVUM* L.

## 270537 to 270540.

From the Union of South Africa. Bulbs collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Maryland. Received Jan. 3, 1961.

270537. *CHASMANTHE* sp. Iridaceae.

Col. No. 18791. Worcester, Capetown.

270538. *MICRANTHUS ALOPECUROIDES* Eckl. Iridaceae.

Col. No. 18814. Worcester, Capetown.

270539. *NERINE* sp. Amaryllidaceae.

Col. No. 18786. Worcester, Capetown.

270540. *WATSONIA COMPTONII* L. Bolus Iridaceae.

Col. No. 18812. Worcester, Capetown.

## 270541 and 270542. *SOLANUM* (hybrids). Solanaceae.

From Germany. Tubers presented by Borger and Behm, Pflanzkartoffel-Vertriebsgesellschaft, Hamburg. Received Jan. 4, 1961.

270541. 'Erdmanna'. ('Aquila'  $\times$  'Merkur'). Plants quick germinating, energetic; medium number of sprouts; stalk moderately strong, mostly green; leaf medium size, light to medium green; flowers sturdy, red violet, tips white, tuber maturity medium late, medium to large, round to round oval; buds flat; flesh yellowish; yield high. Good resistance to *Phytophthora*, wet rot, virus. Starch percentage medium; total starch yield good. Suitable for all soils. A medium late potato for human consumption, feeding and processing. Tuber has good cooking qualities and good taste.

270542. 'Susanna'. (*S. demissum*  $\times$  'Aquila'). Plant late maturing; sprouts many; stalk green; leaf medium size; flowers few, white, among small top leaves; tubers medium to large, oval; bud flat; flesh white; yield high. Resistant to leafroll, *Phytophthora* and *Rhizoctonia*, all viruses. Starch percentage medium to high; total starch yield very high. Requires good soils, or light soils in good condition. Good for human consumption and processing. Stores well for long periods.

## 270543. *PHLEUM PRATENSE* L. Poaceae.

Timothy.

From Great Britain. Seeds presented by the Edinburgh School of Agriculture, Edinburgh, Scotland. Received Jan. 4, 1961.

## 270544. *BIXA ORELLANA* L. Bixaceae.

Annatto-tree.

From India. Seeds presented by the Agriculture Department, Maharashtra State, Poona. Received Jan. 4, 1961.

## 270545. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae.

Watermelon.

From the Sudan. Seeds presented by the United States Operations Mission, Khartoum. Received Jan. 4, 1961.

## 270546 to 270551. *CITRULLUS LANATUS* (Thunb.) Mansf.

Cucurbitaceae. Watermelon.

From Ghana. Seeds presented by the International Cooperation Administration, Accra. Received Jan. 4, 1961.

**270546 to 270551—Continued**

270546. No. 1. Central market. Fruit oblong, tapered, 10 inches long, five inches in diameter, weigh to 5.5 lbs; rind medium green, mottled darker, thin, tough; flesh orange red, some fiber, no white heart; seeds numerous, medium size, black.
270547. No. 2. Central market. Fruit to seven inches long, six inches in diameter, concave tip, weigh to six lbs; rind medium green with darker stripes, thin, tough; flesh orange red, no fiber but some white heart; seeds numerous, medium size, black.
270548. No. 3. Central market. Fruit oblong to nine inches long, 6.5 inches in diameter, weigh to seven lbs; rind light green, mottled darker, thick, tough; flesh pink, some fiber, large white heart; seeds numerous, medium size, dark brown.
270549. No. 4. Kingsway stores. Fruit to 11 inches long, five inches in diameter, tapered, compressed base, weight five lbs; rind light to medium green, mottled darker, thin, hard, tough; flesh red, some fiber, no white heart; seeds numerous, medium size, dark brown. Grown at Nsawam, Union of South Africa.
270550. No. 5. Kingsway stores. Fruit to 10 inches long, five inches in diameter, tapered, compressed base; rind medium green, thin, tough; flesh orange red, some fiber, no white heart; seeds numerous, medium size, brownish black. Grown at Nsawam, Union of South Africa.
270551. No. 6. Kingsway stores. Fruit round, to seven inches in diameter; weight five lbs; rind light to medium green, striped darker, thick, tough; flesh red, some fiber, some white heart; seeds numerous, medium size, black. Grown at Nsawam, Union of South Africa.

**270552 to 270567.**

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Jan. 4, 1961.

**270552. ASPARAGUS AFRICANUS Lam. Convallariaceae.**

Col. No. 18685. Rocky slope between Clanwilliam and Citrusdal. A shrub.

**270553 to 270561. ASPARAGUS sp.**

270553. Col. No. 18631. Picketburg Mountain. Perennial with fern-like branches.
270554. Col. No. 18673. Sandy coastal plain, about 25 miles south of Vredendal.
270555. Col. No. 18674. Sandy coastal plain, about 25 miles south of Vredendal. Plant small, fine leaved, viny, in bushes.
270556. Col. No. 18675. Sandy coastal plain, about 25 miles south of Vredendal. Viny perennial; fruits numerous.
270557. Col. No. 18678. Behind dunes, Lambert's Bay. Scandent shrub growing up through shrubbery.
270558. Col. No. 18694. Two miles east of Darling. Shrub; leaves short, fine.
270559. Col. No. 18695. About two miles northeast of Darling. Perennial; leaves broad.
270560. Col. No. 18701. Sandy soil near sea, seven miles west of Darling. Climbing vine; leaves fine, soft.
270561. Col. No. 18711. Western Cape Province.
- 270562 to 270565. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae.  
Watermelon.
270562. Col. No. 18633. Picketsburg.

**270552 to 270567—Continued****270562 to 270565—Continued**

**270563.** Col. No. 18655. Nieuwoudtville. 'Tsamma'. Bushman melon, fruit sweet.

**270564.** Col. No. 18656. Nieuwoudtville. Kafir melon, for human consumption and livestock feed.

**270565.** Col. No. 18731. Near Nieuwoudtville, Calvinia District. Annual on sandy soil.

**270566.** CUCUMIS sp. Cucurbitaceae.

Col. No. 18648. Lokenburg. Annual ground vine.

**270567.** DIOSCOREA ELEPHANTIPES (L'Herit.) Engl. Dioscoraceae.

Col. No. 18646. Rocky, sandy, lower slope, Pakhuis, Clanwilliam District, Cape Province. Maqui type vegetation. Perennial from epigeous root, reportedly containing up to eight percent saponin.

**270568 to 270573.** MENTHA PIPERATA f. RUBESCENS Canas.

Menthaceae. **Peppermint.**

From Bulgaria. Plants presented by the Institut de Culture des Plantes, Sofia. Numbered Jan. 4, 1961.

Cold resistant.

**270568.** No. 1. Originally from England. Plants susceptible to *Puccinia menthae*. Cultivated for high quality oil.

Originally from the Soviet Union.

**270569.** No. 2. No. 541. Plants rust resistant; oil content high.

**270570.** No. 3. No. 6-29. Plants rust resistant; oil yielding.

**270571.** No. 4. 'Prilikska 324'. Plants rust resistant; oil yielding.

**270572.** No. 5. No. 6. Plants rust resistant; oil yielding.

**270573.** No. 6. No. 06. Plants triploid, rust resistant; oil yielding.

**270574 to 270596.** ORYZA SATIVA L. Poaceae.

**Rice.**

From Surinam. Seeds presented by the Agricultural Experiment Station, Paramaribo. Received Jan. 4, 1961.

<b>270574.</b> 'Dima.'	<b>270586.</b> 128/1/1/1.
<b>270575.</b> 'Holland 5023/10.'	<b>270587.</b> 128/1/1/2.
<b>270576.</b> 'Nickerie 19'.	<b>270588.</b> K8C/140/29.
<b>270577.</b> 'Paquita.'	<b>270589.</b> K8C/140/46.
<b>270578.</b> 'Skrivimankobi.'	<b>270590.</b> K8C/263/1.
<b>270579.</b> 'Blb.'	<b>270591.</b> K8C/384/2.
<b>270580.</b> 77a.	<b>270592.</b> K12C/83.
<b>270581.</b> 242.	<b>270593.</b> VD5096/25/15.
<b>270582.</b> 77/4/4/5/4.	<b>270594.</b> VD5096/73/6.
<b>270583.</b> 80/3/1/5/5.	<b>270595.</b> VD5096/73/26.
<b>270584.</b> 140/4/1/2/5.	<b>270596.</b> VD5096/88.
<b>270585.</b> 140/4/1/2/10.	

**270597.** PRUNUS PERSICA (L.) Batsch Amygdalaceae. **Peach.**

From France. Seeds presented by Gilbert Herman, Domaine de Castang, Bergerac. Received Jan. 3, 1961.

'Missour'.



**270598. BIXA ORELLANA L. Bixaceae.****Annatto-tree.**

From Argentina. Seeds presented by the Division of Plant Exploration and Introduction, Buenos Aires. Received Jan. 5, 1961.

**270599 to 270759. HORDEUM VULGARE L. Poaceae.**

From Peru. Seeds presented by the International Cooperation Administration, Lima. Numbered Jan. 5, 1961.

270599 to 270602. From Arequipa.

270599. No. 1.

270601. No. 3.

270600. No. 2.

270602. No. 4.

270603. No. 5. From Nohuintuquio.

270604 to 270618. From Taraco.

270604. No. 6.

270612. No. 14.

270605. No. 7.

270613. No. 15.

270606. No. 8.

270614. No. 16.

270607. No. 9.

270615. No. 17.

270608. No. 10.

270616. No. 18.

270609. No. 11.

270617. No. 19.

270610. No. 12.

270618. No. 20.

270611. No. 13.

270619 to 270632. From Puno.

270619. No. 21.

270626. No. 28.

270620. No. 22.

270627. No. 29.

270621. No. 23.

270628. No. 30.

270622. No. 24.

270629. No. 31.

270623. No. 25.

270630. No. 32.

270624. No. 26.

270631. No. 33.

270625. No. 27.

270632. No. 34.

270633 to 270653. From Potojani.

270633. No. 35.

270644. No. 46.

270634. No. 36.

270645. No. 47.

270635. No. 37.

270646. No. 48.

270636. No. 38.

270647. No. 49.

270637. No. 39.

270648. No. 50.

270638. No. 40.

270649. No. 51.

270639. No. 41.

270650. No. 52.

270640. No. 42.

270651. No. 53.

270641. No. 43.

270652. No. 54.

270642. No. 44.

270653. No. 55.

270643. No. 45.

270654 to 270679. From Plateria.

270654. No. 56.

270657. No. 59.

270655. No. 57.

270658. No. 60.

270656. No. 58.

270659. No. 61.

## 270599 to 270759—Continued

## 270654 to 270679—Continued

270660. No. 62.	270670. No. 72.
270661. No. 63.	270671. No. 73.
270662. No. 64.	270672. No. 74.
270663. No. 65.	270673. No. 75.
270664. No. 66.	270674. No. 76.
270665. No. 67.	270675. No. 77.
270666. No. 68.	270676. No. 78.
270667. No. 69.	270677. No. 79.
270668. No. 70.	270678. No. 80.
270669. No. 71.	270679. No. 81.

## 270680 to 270717. From Chucuito.

270680. No. 82.	270699. No. 101.
270681. No. 83.	270700. No. 102.
270682. No. 84.	270701. No. 103.
270683. No. 85.	270702. No. 104.
270684. No. 86.	270703. No. 105.
270685. No. 87.	270704. No. 106.
270686. No. 88.	270705. No. 107.
270687. No. 89.	270706. No. 108.
270688. No. 90.	270707. No. 109.
270689. No. 91.	270708. No. 110.
270690. No. 92.	270709. No. 111.
270691. No. 93.	270710. No. 112.
270692. No. 94.	270711. No. 113.
270693. No. 95.	270712. No. 114.
270694. No. 96.	270713. No. 115.
270695. No. 97.	270714. No. 116.
270696. No. 98.	270715. No. 117.
270697. No. 99.	270716. No. 118.
270698. No. 100.	270717. No. 119.

## 270718 to 270757. From Plateria.

270718. No. 120.	270728. No. 130.
270719. No. 121.	270729. No. 131.
270720. No. 122.	270730. No. 132.
270721. No. 123.	270731. No. 133.
270722. No. 124.	270732. No. 134.
270723. No. 125.	270733. No. 135.
270724. No. 126.	270734. No. 136.
270725. No. 127.	270735. No. 137.
270726. No. 128.	270736. No. 138.
270727. No. 129.	270737. No. 139.

**270599 to 270759—Continued****270718 to 270757—Continued**

270738. No. 140.	270748. No. 150.
270739. No. 141.	270749. No. 151.
270740. No. 142.	270750. No. 152.
270741. No. 143.	270751. No. 153.
270742. No. 144.	270752. No. 154.
270743. No. 145.	270753. No. 155.
270744. No. 146.	270754. No. 156.
270745. No. 147.	270755. No. 157.
270746. No. 148.	270756. No. 158.
270747. No. 149.	270757. No. 159.

270758 and 270759. From Nahuintuguio.

270758. No. 160.

270759. No. 161.

**270760. PRUNUS PERSICA (L.) Batsch Amygdalaceae. Peach.**

From France. Seeds presented by the Station de Recherches d'Arboriculture Fruitière, Pont de la Maye, Gironde. Received Jan. 5, 1961.

S. 763.

**270761 to 271023. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From Rhodesia. Seeds presented by the Mount Makulu Research Station, Chilanga. Received Jan. 5, 1961.

The word "ex" refers to selections made from mixed strains and to source by catalogue number; e.g., Bunch ex BC 249R refers to a bunch type selected from BC 249R.

270761. MS. 1.	Bunch ex BC 249R.
270762. MS. 2.	Runner ex BC 249R.
270763. MS. 3.	Purple Valencia rogue.
270764. MS. 4.	Short Valencia ex EC. 1.
270765. MS. 5.	Large Valencia ex EC. 2.
270766. MS. 6.	Rough Valencia ex EC. 10.
270767. MS. 7.	Red Spanish EC. 44.
270768. MS. 8.	Red Manyema ex EC. 44.
270769. MS. 9.	Large Red Manyema ex SB. 31.
270770. MS. 10.	Brown Valencia ex BC. 242.
270771. MS. 11.	Red ex BC. 242.
270772. MS. 12.	Ex BC. 68.
270773. MS. 13.	White Manyema ex BC. 79.
270774. MS. 15.	Brown Spanish ex BC. 92.
270775. MS. 16.	Long Spanish ex BC. 92.
270776. MS. 17.	Speckled ex BC. 153.
270777. MS. 18.	Brown Manyema ex BC. 202.
270778. MS. 19.	Red Manyema ex MC. 240.
270779. MS. 20.	Large, long, Red Manyema ex BC. 240.



## 270761 to 271023—Continued

270780. MS. 21. Red Manyema ex BC. 243.  
270781. MS. 23. Brown Valencia ex BC. 249.  
270782. MS. 24. Large purple Spanish ex BC. 249.  
270783. MS. 25. Purple large Natal.  
270784. MS. 26. Red Spanish ex BC. 252.  
270785. MS. 27. Red ex BC. 252.  
270786. MS. 28. Purple ex BC. 252.  
270787. MS. 29. Purple brown ex BC. 252.  
270788. MS. 30. Red Manyema ex BC. 252.  
270789. MS. 31. Purple Manyema ex BC. 252.  
270790. MS. 32. Brownish Purple Valencia ex BC. 252.  
270791. MS. 33. Purple Valencia ex BC. 252.  
270792. MS. 34. Brown ex BC. 253.  
270793. MS. 35. Red Spanish ex BC. 254.  
270794. MS. 36. Red Natal ex BC. 252.  
270795. MS. 37. Large Red Natal ex BC. 254.  
270796. MS. 38. Purplish brown ex BC. 256.  
270797. MS. 39. Red Spanish ex BC. 257.  
270798. MS. 40. Valencia ex BC. 257.  
270799. MS. 41. Long Red Manyema ex BC. 257.  
270800. MS. 42. Large Red Natal ex BC. 257.  
270801. MS. 43. Large Red Spanish ex BC. 257.  
270802. MS. 44. Manyema-Valencia ex BC. 257.  
270803. MS. 45. Pink ex BC. 259.  
270804. MS. 46. Natal ex NC. 46.  
270805. MS. 47. Flat Jumbo ex Congo Red.  
270806. MS. 48. Large two-kernel (unconstricted) ex Congo Red.  
270807. MS. 49. Large two-kernel (constricted) ex Congo Red.  
270808. MS. 50. Long thin three-kernel Manyema ex Congo Red.  
270809. MS. 51. Chimbuwila ex Congo Red.  
270810. MS. 52. Kongwa X Congo Red.  
270811. MS. 53. Indian Runner ex Congo Red, unconstricted.  
270812. MS. 54. Indian Runner ex Congo Red, constricted.  
270813. MS. 55. Natal Runner ex Congo Red.  
270814. MS. 56. Long Red Manyema ex Kidang Batavia 40.  
270815. MS. 57. Manyema ex B.728 (77).  
270816. MS. 58. Natal ex Masambika 101.  
270817. MS. 59. Three-kernel selection 58-10 ex I/58/39/5.  
270818. MS. 60. 58-18 Flat Jumbo.  
270819. MS. 61. 58-37 Purple ex I/58/15.  
270820. MS. 62. 58-40 White Kongwa I/58/81/2.  
270821. MS. 63. 58-40 White Kongwa I/58/81/1.

## 270761 to 271023—Continued

- 270822. MS. 65. Red Manyema ex SB. 31.
- 270823. MS. 66. Ex SB. 31.
- 270824. MS. 67. P. 4691.
- 270825. BC. 235. Selection 21.
- 270826. BC. 236. Ndala 4.
- 270827. BC. 237. Mk. 383.
- 270828. BC. 238. Mk. 383-1.
- 270829. BC. 239. MJ 371.
- 270830. BC. 240. ex 29-56-2.
- 270831. BC. 241. ex 29-56-1.
- 270832. BC. 242. MH. 372-1.
- 270833. BC. 244. Mani Blanca 2.
- 270834. BC. 245. Mani Blanca 3.
- 270835. BC. 247. HG. 3-1 Bangalore.
- 270836. BC. 248. Swaziland Spanish.
- 270837. BC. 249. Mputa B. 146-1.
- 270838. BC. 250. Mani Indio.
- 270839. BC. 251. Mani Indio A.
- 270840. BC. 252. SA. 47-G-114-1.
- 270841. BC. 253. SA. 47-G-114-2.
- 270842. BC. 254. SA. 47-G-114-3.
- 270843. BC. 255. SA. 47-G-114-4.
- 270844. BC. 256. SA. 47-G-114-5.
- 270845. BC. 257. SA. 47-G-114-4-1.
- 270846. BC. 258. Natal 257-9.
- 270847. BC. 259. Argentine No. 8-1.
- 270848. BC. 260. Argentine No. 8-2.
- 270849. BC. 261. Argentine No. 8-3.
- 270850. BC. 262. Abu Hashim 1.
- 270851. BC. 263. Barberton Blue.
- 270852. BC. 264. Ndala 2.
- 270853. BC. 265. Ndala Bunch.
- 270854. BC. 266. Ndala 5.
- 270855. BC. 267. SA. 43-G-44.
- 270856. BC. 268. Bambey 28-206-1.
- 270857. BC. 269. Bambey 28-206-2.
- 270858. BC. 270. Ahmer Mogy A-1.
- 270859. BC. 271. Georgia Bunch 207-3-2-1.
- 270860. AB 68. Mambunda 1.
- 270861. AB 69. Early Runner.
- 270862. F1-19. Large Natal, brown, alternate.
- 270863. F1-18. Medium Large Natal, brown, alternate.

**270761 to 271023—Continued**

- 270864. BMP11. Large Natal-Manyema, brown, alternate.
- 270865. F1-14. Natal, brown-speckled, alternate.
- 270866. F1-15. Natal, brown, alternate.
- 270867. F1-16. Natal, brown, alternate.
- 270868. ex F1-20. Natal, brown, alternate, branching.
- 270869. F1-34. Natal, brown, alternate.
- 270870. F1-35. Natal, brown alternate.
- 270871. F1-37. Natal, brown, alternate.
- 270872. F1-38. Natal, brown, alternate, branching.
- 270873. F1-38. Natal, brown, alternate.
- 270874. F1-39. Natal, brown, alternate.
- 270875. F1-44. Natal, brown, alternate.
- 270876. F1-47. Natal, brown, alternate.
- 270877. ex F1-47. Natal, brown, alternate.
- 270878. F1-48. Natal, brown, alternate.
- 270879. F1-53. Natal, brown, alternate.
- 270880. F1-57. Natal, brown, alternate.
- 270881. F1-83. Natal, brown, alternate.
- 270882. BMP2. Natal-Manyema, brown, alternate.
- 270883. BMP11. Small Natal-Manyema, brown, alternate.
- 270884. BMP12. Natal-Manyema, brown, alternate.
- 270885. F1-17. Natal-Manyema, brown, alternate.
- 270886. F1-40. Natal-Manyema, brown, alternate.
- 270887. F1-59. Natal-Manyema, brown, alternate.
- 270888. F1-69. Natal-Manyema, brown, alternate, variegated.
- 270889. F1-79. Natal-Manyema, brown, variegated.
- 270890. BMP9. Natal Spanish-Manyema, brown, alternate.
- 270891. F1-43. Manyema-Natal, brown, alternate.
- 270892. F1-48. Natal-Manyema, brown, alternate.
- 270893. BMP6. Manyema, brown, alternate.
- 270894. BMP32. Manyema, brown, alternate.
- 270895. BMP36. Manyema, brown, alternate.
- 270896. BMP37. Manyema, red, mixed branching.
- 270897. BMP40. Manyema, brown, alternate.
- 270898. F1-24. Manyema, brown, alternate.
- 270899. F1-28. Manyema, brown, alternate.
- 270900. F1-33. Manyema, brown, alternate.
- 270901. F1-45. Manyema, brown, alternate.
- 270902. F1-51. Manyema, brown, alternate.
- 270903. F1-58. Manyema, brown, alternate.
- 270904. F1-80. Small Manyema, brown, alternate.
- 270905. F1-23. Large Manyema, brown, alternate.



## 270761 to 271023—Continued

- 270906. F1-27. Large Manyema, brown, alternate.
- 270907. F1-30. Large near Mani Pintar pod, brown, alternate.
- 270908. F1-7. Spanish, brown, alternate.
- 270909. F1-18. Spanish, brown, alternate.
- 270910. F1-52. Spanish, brown, alternate.
- 270911. F1-54. Spanish, brown, alternate.
- 270912. F1-60. Spanish, brown, alternate.
- 270913. F1-64. Spanish, brown, alternate.
- 270914. F1-85. Spanish, brown, alternate.
- 270915. BMP-4. Large Spanish, brown, alternate.
- 270916. F1-55. Spanish Natal, brown, alternate.
- 270917. F1-82. Natal Spanish Manyema, brown, alternate.
- 270918. BMP43. Spanish Manyema, brown, alternate.
- 270919. BMP27. Small Spanish Manyema, brown, alternate.
- 270920. BMP16/S2. Large Manyema, brown variegated, sequential.
- 270921. BMP16/S3. Large Manyema, brown variegated, sequential.
- 270922. BMP/31. Manyema, brown speckled, sequential.
- 270923. BMP/41. Manyema, brown speckled, sequential.
- 270924. F1-37. Natal, brown speckled, alternate.
- 270925. F1-44. Natal, brown speckled, alternate.
- 270926. F1-47. Natal, brown speckled, alternate.
- 270927. F1-53. Natal, brown speckled, alternate.
- 270928. F1-73. Natal, brown speckled, alternate.
- 270929. F1-81. Natal, brown speckled, alternate.
- 270930. F1-84. Natal and Fung brown speckled, alternate.
- 270931. F1-69. Natal-Manyema, brown, alternate.
- 270932. F1-75. Natal-Manyema, brown variegated, alternate.
- 270933. F1-82. Natal Spanish Manyema, brown variegated.
- 270934. BMP25/1. Large Natal-Manyema, brown speckled, alternate.
- 270935. BMP26/1. Large Natal-Manyema, brown variegated, alternate.
- 270936. BMP28. Large Natal-Manyema, brown speckled, alternate.
- 270937. BMP/34. Large Natal-Manyema, brown variegated, alternate
- 270938. F1-43. Manyema-Natal, brown speckled, alternate.
- 270939. F1-61. Small Spanish Natal, brown speckled, alternate.
- 270940. BMP3. Spanish Manyema, brown speckled, alternate.
- 270941. F1-77. Spanish Manyema, brown speckled, alternate.
- 270942. F1-56. Spanish, brown speckled, alternate.
- 270943. F1-60. Spanish, brown speckled, alternate.
- 270944. F1-85. Spanish, brown speckled, alternate.
- 270945. BMP6. Manyema, brown speckled, alternate.
- 270946. BMP28. Manyema, red speckled, alternate.
- 270947. BMP37. Manyema, brown variegated, alternate, mixed.

## 270761 to 271023—Continued

- 270948. F1-67. Manyema, brown variegated, alternate.
- 270949. F1-71. Manyema, brown speckled, alternate.
- 270950. F1-76. Manyema, brown speckled, alternate.
- 270951. F1-78. Manyema, brown-speckled, alternate.
- 270952. BMP16/A1. Large Manyema, brown-speckled, alternate.
- 270953. BMP16/A2. Large Manyema, brown-speckled, alternate.
- 270954. BPM17/A1. Large Manyema, brown-speckled, alternate.
- 270955. F-180. Small Manyema, brown speckled, alternate.
- 270956. F1-72. Manyema-Valencia, brown-speckled, alternate.
- 270957. BMP30. Natal, red, alternate.
- 270958. F1-6. Natal, red, alternate.
- 270959. F1-14. Natal, red variegated, alternate.
- 270960. F1-20. Natal, red, alternate.
- 270961. F1-34. Natal, red, alternate.
- 270962. F1-37. Natal, red, alternate.
- 270963. F1-38. Natal, red, alternate, branching.
- 270964. F1-41. Natal, red, alternate.
- 270965. BMP10. Small Natal-Manyema, red, alternate.
- 270966. F1-18. Medium-large Natal, red, alternate.
- 270967. BMP5. Large Natal, red, alternate.
- 270968. BMP29. Natal-Spanish Manyema, red-speckled, alternate.
- 270969. BMP9. Natal-Spanish Manyema, red, alternate.
- 270970. F1-3. Spanish, red, alternate, branching.
- 270971. F1-6. Spanish, red, alternate, branching.
- 270972. F1-7. Spanish, red, alternate.
- 270973. F1-8. Spanish, red, alternate, branching.
- 270974. F1-9. Spanish, red, alternate.
- 270975. F1-49. Spanish, red, alternate.
- 270976. F1-55. Spanish, red, alternate.
- 270977. BMP5. Spanish Manyema, red, alternate.
- 270978. BMP43. Spanish Manyema, red, alternate.
- 270979. BMP37. Manyema, red variegated, mixed.
- 270980. F1-2. Manyema, red, alternate.
- 270981. F1-5. Manyema, red, alternate, branching.
- 270982. F1-29. Near Mani Pintar; pod red, alternate.
- 270983. F1-45. Manyema, red, alternate.
- 270984. F1-3. Medium Manyema Spanish, red, alternate.
- 270985. BMP7. Natal, red speckled, alternate.
- 270986. BMP15. Natal, red speckled, alternate.
- 270987. BMP30. Natal, strongly red speckled, alternate.
- 270988. BMP30. Natal, slightly red variegated, alternate.
- 270989. F1-10. Natal, red speckled, alternate, branching.

**270761 to 271023—Continued**

- 270990. F1-11. Spanish Natal, red speckled, alternate.
  - 270991. F1-11. Natal, red speckled, alternate, branching.
  - 270992. F1-8. Spanish, red speckled, alternate.
  - 270993. F1-9. Spanish, red speckled, alternate.
  - 270994. BMP6. Manyema, red speckled, alternate.
  - 270995. BMP28. Manyema, brown speckled, alternate.
  - 270996. BMP33. Manyema, red speckled, alternate.
  - 270997. BMP37. Manyema, red speckled, alternate.
  - 270998. BMP42. Manyema, red speckled, alternate.
  - 270999. F1-12. Manyema, red speckled, alternate, branching.
  - 271000. F1-45. Manyema, red speckled, alternate.
  - 271001. BMP36. Chimbuwila, brown, alternate.
  - 271002. BMP2. Chimbuwila, brown, alternate.
  - 271003. BMP1. Chimbuwila, brown, alternate.
  - 271004. BMP39. Spanish White, mixed, probably sequential.
  - 271005. 1. Valencia Colorado Manfredi.
  - 271006. 2. Valencia 47-13.
  - 271007. 3. Valencia ML. 375.
  - 271008. 4. Valencia Taskentszkij 112.
  - 271009. 5. Arachis rasteiro PI 806 from Bambey Senegal.
  - 271010. 6. Mani Pintar rogue 1, off type pod, from Misamfu.
  - 271011. 7. Mani Pintar rogue 2, small Manyema pod, from Misamfu.
  - 271012. 8. Valencia 47-68.
  - 271013. 9. Valencia Cservedi Szvilerigrad.
  - 271014. 10. Valencia Rouge de Cordoba 47-56.
  - 271015. 11. Brown Valencia, Madagaskara 47-26.
  - 271016. 12. Purple Manyema, Negro chico.
  - 271017. 13. Spanish 1657 VNIIMK.
  - 271018. 14. Spanish Taskentszkij 32-76.
  - 271019. 15. Spanish 44D 1302.
  - 271020. 16. Spanish Volete de gandiols.
  - 271021. 17. Spanish Bambey PI 42.
  - 271022. 18. Spanish Palermo.
  - 271023. BMP20. Large Spanish Manyema, brown variegated, alternate.
- 271024. PANICUM AMBIGUUM Trin. Poaceae.**  
 From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Jan. 9, 1961.
- 271025. CYAMOPSIS SENEGALENSIS Guill. & Perr. Fabaceae.**  
 From Senegal. Seeds presented by Centre de Recherches Agronomiques de Bambey, Dakar. Received Jan. 9, 1961.
- 271026. HORDEUM ANDICOLA Griseb. Poaceae.**  
 From Peru. Seeds presented by the United States Embassy, Lima. Received Jan. 9, 1961.  
 From the Bolivian altiplano.



**271027 to 271029.**

From Senegal. Seeds presented by Centre de Recherches Agronomiques de Bambe, Dakar. Received Jan. 11, 1961.

271027. *CERATOTHECA SESAMOIDES* Endl. Pedaliaceae.

271028. *ROGERIA ADENOPHYLLA* J. Gay. Pedaliaceae.

271029. *SESAMUM ALATUM* Thonn. Pedaliaceae.

**271030 to 271032.**

From the Netherlands. Seeds presented by the Hortus Botanicus, Leiden. Received Jan. 11, 1961.

271030. *CARLUDOVICA SARTONII* Teijsm. & Binn. Cyclanthaceae.

271031. *PYRUS NIVALIS* Jacq. Malaceae.

271032. *ZELKOVA VERSCHAFFELTII* (Dippel) Nicholson Urticaceae.

**271033 to 271038. PISUM SATIVUM L. Fabaceae.**

From Sweden. Seeds presented by the Plant Breeding Institute Weibullsholm, Landskrona. Received Jan. 11, 1961.

271033. L808/59. 'Abyssinicum'. Seeds black.

271034. L809/58. 'Asiaticum'. Seeds small, mottled brown.

271035. L1059/59. 'Hindukusch'. Seeds large, round, light yellowish.

271036. L1060/58. 'Transcaasicum'. Seeds small, mottled brown.

271037. L1181/58. 'Peluschke'. Seeds small, dark, mottled.

271038. L1199/58. 'Granart'. Originally from Nepal. Seeds large, wrinkled, pale green.

**271039 to 271049.**

From India. Bulbs and seeds presented by the United States Consulate, Bombay. Seeds unless otherwise noted. Received Jan. 11, 1961.

271039. *ALLIUM CEPA* L. Liliaceae. Onion.

271040. *ALLIUM SATIVUM* L. Garlic.

Bulbs.

271041. *BRASSICA CAMPESTRIS* L. Brassicaceae. Birdrape.

271042. *DOLICHOS BIFLORUS* L. Fabaceae. Twinflower dolichos.

271043. *CAPSICUM ANNUUM* L. Solanaceae.

271044. *DAUCUS CAROTA* L. Apiaceae. Carrot.

271045. *CAJANUS CAJAN* (L.) Druce. Fabaceae. Pigeonpea.

271046. *RAPHANUS SATIVUS* L. Brassicaceae. Radish.

271047. *ISCHAEMUM ARISTATUM* L. Poaceae.

271048. *ISCHAEMUM RUGOSUM* Salisb.

271049. *ISEILEMA WIGHTII* (Nees) Anderss. Poaceae.

**271050. SACCHARUM (hybrid) Poaceae. Sugarcane.**

From the British West Indies. Cuttings presented by the Director of Agriculture, Bridgetown, Barbados. Received Jan. 11, 1961.

B51514.

**271051 to 271068.**

From Great Britain. Plants purchased from Fisk's Clematis Nursery, Westleton, Suffolk, England. Received Jan. 12, 1961.

**271051 to 271068—Continued**

**271051 to 271061.** CLEMATIS (hybrids). Ranunculaceae.

- |                                   |                          |
|-----------------------------------|--------------------------|
| 271051. 'Bees Jubilee'.           | 271057. 'Lincoln Star'.  |
| 271052. 'Bracebridge Star'.       | 271058. 'Mrs. Hope'.     |
| 271053. 'Dutchess of Sutherland'. | 271059. 'Mrs. Cud'.      |
| 271054. 'Fair Rosamund'.          | 271060. 'Percy Picton'.  |
| 271055. 'Lady Caroline Nevill'.   | 271061. 'Vwyan Pennell'. |
| 271056. 'Lady Northcliffe'.       |                          |

**271062.** CLEMATIS ERIOSTEMON Dene.

**271063.** CLEMATIS INTEGRIFOLIA L.

'Durandii'.

**271064.** CLEMATIS SERRATIFOLIA Rehder Korean clematis.

**271065.** CLEMATIS TANGUTICA (Maxim.) Korsh. Golden clematis.  
'Gravetye'.

**271066.** CLEMATIS TRITERNATA f. RUBRO-MARGINATA (Jouin) Rehder

**271067.** CLEMATIS VEDRARIENSIS var. ROSEA (Mottet) Rehder

**271068.** CLEMATIS sp.

**271069 to 271073.** CARTHAMUS TINCTORIUS L. Asteraceae.  
**Safflower.**

From the Sudan. Seeds presented by the Ministry of Agriculture. Khar-toum. Received Jan. 13, 1961.

**271069.** No. 1. P 52. Plants spiny, flower in 60 days, mature in 111 days.

**271070.** No. 2. 'Tozi Spiny'. From Deveira, Northern Province. Flower in 60 days, mature in 110 days.

**271071.** No. 3. CT 60. Originally from India. Plant spiny, flower in 76 days, mature in 132 days.

**271072.** No. 4. CT 63. Originally from India. Plant spiny, flower in 76 days, mature in 132 days.

**271073.** No. 5. B 1/1. Plant spineless. Originally from Australia.

**271074 to 271083.** TRITICUM AESTIVUM L. Poaceae.  
**Common wheat.**

From the Union of Soviet Socialist Republics. Seeds presented by Dr. Basil M. Bensin, Washington, D. C. Received Jan. 13, 1961.

**271074.** No. 1. 'Pisarev's'. Spring amphidiploid. 25 AD-20/1/60 1959.

**271075.** No. 2. 'Pisarev's'. Spring amphidiploid. 25 AD-20/1/60 1959.

**271076.** No. 3. 'Pisarev's'. Winter amphidiploid. H 34-AD-1959 B.

**271077.** No. 4. Chey X Chn. 422121.

**271078.** No. 5. Chn. X Chiefk. 451169.

**271079.** No. 6. Mgo. Oro-Pn. X Rch. 524050.

**271080.** No. 7. Rch. X M-O 517259.

**271081.** No. 8. Rch. X M-O 514281.

**271082.** No. 9. Rch. X N60-Mi-Ho 513585.

**271083.** No. 10. Rch. X Pn 524878.

**271084. COFFEA ARABICA L. Rubiaceae. Arabian coffee.**

From Costa Rica. Seeds presented by the Instituto Inter-Americano de Ciencias Agricolas, Turrialba. Received Jan. 13, 1961.

'Hibrido de Timor'. Cof. 1343.

**271085. CYDONIA OBLONGA Mill. Malaceae. Quince.**

From Great Britain. Rootstocks presented by the East Malling Research Station, Kent, England. Received Jan. 16, 1961.

Quince A (layers).

**271086 to 271091.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Jan. 17, 1961.

**271086. ACTINIDIA ARGUTA (Sieb. & Zucc.) Miq. Dilleniaceae.**

From the Far East Experiment Station, East Siberia.

**271087 to 271091. ACTINIDIA KOLOMIKTA (Maxim.) Rupr. ex Maxim.**

**Kolomikta.**

From the Pavlovsk Experiment Station near Leningrad.

271087. BUP-1.

271090. 'Trevoskodnaya'.

271088. 'Dashakya'. Ex Taiwan.

271091. 'Trozrachnaya'.

271089. 'Eurojainaya'.

**271092. PRUNUS AVIUM L. Amygdalaceae. Sweet cherry.**

From the Netherlands. Budsticks presented by the Institute of Horticultural Plant Breeding, Wageningen. Received Jan. 17, 1961.

'Steyler'.

**271093. ORYZA SATIVA L. Poaceae.**

**Rice.**

From Panama. Seeds presented by Rafael Rioboo, San Juan. Received Jan. 17, 1961.

**271094 to 271113. CORYLUS AVELLANA L. Betulaceae. Filbert.**

From France. Budsticks presented by Charles Detriche, Pepinieres, Angers. Received Jan. 19, 1961.

271094. 'A Grappes'.

271104. 'Foleis Aureis'.

271095. 'Aveline Blanche Ronde'.

271105. 'Imperiale de Trebizonde'.

271096. 'Aveline de Barcelone'.

271106. 'Longue d'Espagne'.

271097. 'Aveline de Piemont'.

271107. 'Macrocarpa'.

271098. 'Aveline de Provence'.

271108. 'Merveille de Bolwiller'.

271099. 'Aveline Rouge Ronde'.

271109. 'Pellicule Blanche'.

271100. 'Aveline des Anglais'.

271110. 'Pellicule Rouge'.

271101. 'Bergeri'.

271111. 'Purpre'.

271102. 'Coxford'.

271112. 'Precoc Grugliasco'.

271103. 'Downton'.

271113. 'Prolifique Coque Serree'.

**271114 to 271120. PISUM SATIVUM L. Fabaceae.**

From the Federation of Mali. Seeds presented by the Centre de Recherches Agronomiques de Bambey, Dakar. Received Jan. 19, 1961.

271114. L 21/59. Seeds light purple.

271115. L 180/58. 'Ungar'. Wild form.

271116. L 378/58. 'Granerbse'. Seeds gray.



**271114 to 271120—Continued**

271117. L 422/59. 'Ryska'. Russian.

271118. L 611/59. 'Tibeticum'.

271119. L 807/58. 'Puschki'.

271120. L 805/59. 'Elatius'.

**271121. PISUM SATIVUM L. Fabaceae.**

From Germany. Seeds presented by the Botanischer Garten der Universitat, Tubingen. Received Jan. 19, 1961.

**271122 to 271124. LYCOPERSICON ESCULENTUM Mill.****Solanaceae. Tomato.**

From Canada. Seeds presented by the Genetics and Plant Breeding Research Institute, Ottawa. Received Jan. 19, 1961.

271122. 'Ottawa 57B1C4'.

271123. 'Ottawa 57K1A1'.

271124. 'Ottawa 57T1A'.

**271125 to 271131. TRITICUM AESTIVUM L. Poaceae.****Common wheat.**

From Peru. Seeds collected by W. Q. Loegering, Plant Industry Station, Beltsville, Md. Received Jan. 19, 1961.

Germplasm with resistance to *Septoria*.

271125. No. 1. Mult 753.

271129. No. 5. Mult 760.

271126. No. 2. Mult 755.

271130. No. 6. Mult 764.

271127. No. 3. Mult 757.

271131. No. 7. Mult 7.

271128. No. 4. Mult 758.

**271132 and 271133. CITRULLUS LANATUS (Thunb.) Mansf.****Cucurbitaceae. Watermelon.**

From Tunisia. Seeds presented by International Cooperation Administration, Tunis. Received Jan. 24, 1961.

Dry farming varieties.

271132. No. 1. 'Zanzouri'. Reportedly from Libya, but grown in south-east Tunisia for years. Fruit round, 20 to 65 pounds, average 30 pounds each; rind deep green; flesh red; seeds black; 90 to 100 days to maturity; resistant to downy mildew; susceptible to insects.

271133. No. 2. 'Marethi' or 'Istanbul'. Origin unknown. Fruits round, size 18 to 40 pounds, average 25 pounds each; rind light yellow to deep green; flesh red; seeds black; 90 to 100 days to maturity.

**271134 to 271265.**

From India. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Jan. 19, 1961.

**271134 to 271137. AVENA SATIVA L. Poaceae.****Common oats.**

Indian Agricultural Research Institute, New Delhi.

271134. Col. No. 1485. I.C. 820 Weston II.

271135. Col. No. 1486. I.C. 1819 Bunber-10.

271136. Col. No. 1887. X-27.

271137. Col. No. 1488. N.P.2.

## 271134 to 271265—Continued

271138. *BOTHRIOCHLOA INTERMEDIA* (R. Br.) A. Camus Poaceae.  
Col. No. 1816. On dykes between paddies five km. northeast of Igatpuri.
271139. *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.  
Col. No. 1797. Nasik bazaar.
271140. *CASSIA OCCIDENTALIS* L. Caesalpinaceae.  
Col. No. 1417. A-2625. Bhavali.
- 271141 to 271145. *CENCHRUS SETIGERUS* Vahl Poaceae.  
Indian Agricultural Research Institute, New Delhi.
271141. Col. No. 1443.
271142. Col. No. 1444.
271143. Col. No. 1445.
271144. Col. No. 1446.
271145. Col. No. 1447.
271146. *CENCHRUS CILIARIS* L.  
Col. No. 1758. Field near Palghar.
- 271147 to 271150. *CHRYSOPOGON MONTANUS* Trin. ex Sprengel Poaceae.  
Indian Agricultural Research Institute, New Delhi.
271147. Col. No. 1439. Riogs 46.
271148. Col. No. 1440. E.C. 5585.
271149. Col. No. 1441. E.C. 5586.
271150. Col. No. 1442. Nagpur.
- 271151 to 271153. *COIX LACRYMA-JOBI* L. Poaceae. Jobs-tears.
271151. Col. No. 1601. Paddy northwest of Lonauli.
271152. Col. No. 1628. Paud. Plant to 2.5 meters high.
271153. Col. No. 1757. Field near Pahlgar.
271154. *CROTALARIA* sp. Fabaceae.  
Col. No. 1421. A-No. 1910. Indian Agricultural Research Institute. Bangalore.
271155. *CROTALARIA* sp.  
Col. No. 1742. Four km. east of Mount Abu. Plant large; flowers yellow.
- 271156 and 271157. *CYMBOPOGON MARTINII* (Roxb.) W. Wats. Poaceae. Geranium grass.
271156. Col. No. 1715. Sunset Point, Mount Abu. Elevation 1,200 meters. Annual rainfall 20 dm. Vegetation scrubby shrubs.
271157. Col. No. 1805. Military Center, Nasik.
- 271158 and 271159. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. Fabaceae. Guar.  
Indian Agricultural Research Institute, New Delhi.
271158. Col. No. 1494. 'Pusa Mousami'.
271159. Col. No. 1495. 'Pusa Sadabahar'.
271160. *DESMODIUM DISCOLOR* Vogel. Fabaceae.  
Col. No. 1424. A-No. 2423. Originally from Australia.

## 271134 to 271265—Continued

271161. *DESMODIUM TORTUOSUM* (Sw.) DC.  
Col. No. 1407. A—No. 2376. Originally from Australia.
271162. *DICHANTHIUM PANCHGANIENSE* Blatter & McCann Poaceae.  
Col. No. 1568. Rocky slope near Prospect Hotel, Pau.
271163. *DOLICHOS BIFLORUS* L. Fabaceae. Twinflower dolichos.  
Col. No. 1411. A—No. 3242. Mandya.
271164. *DOLICHOS LABLAB* L. Hyacinth-bean.  
Col. No. 1415. *Lignosus*. Indian Agricultural Research Institute, New Delhi.
- 271165 to 271168. *ELEUSINE CORACANA* (L.) Gaertn. Poaceae. Ragi.  
271165. Col. No. 1576. Village east of third tableland, Panchgani.  
271166. Col. No. 1783. 'Nagli'. Igatpuri bazaar.  
271167. Col. No. 1801. 'Nagli'. Nasik bazaar.  
271168. Col. No. 1803. Nasik bazaar.
271169. *EREMOPOGON FOVEOLATUS* (Del.) Stapf Poaceae.  
Col. No. 1533.
- 271170 and 271171. *GLYCINE JAVANICA* L. Fabaceae.  
271170. Col. No. 1410. A—No. 2780. Indian Agricultural Research Institute, New Delhi. Originally from Australia.  
271171. Col. No. 1425. A—No. 3146. Indian Agricultural Research Institute, New Delhi. Originally from Australia.
271172. *GOSSYPIUM* sp. Malvaceae.  
Col. No. 1754. Mt. Abu bazaar.
- 271173 to 271181. *HETEROPOGON CONTORTUS* (L.) Beauv. ex Roem. & Schult. Poaceae.  
Indian Agricultural Research Institute, New Delhi.  
271173. Col. No. 1433. I.W. 936.  
271174. Col. No. 1434.  
271175. Col. No. 1435. I.W. 708.  
271176. Col. No. 1436. I.W. 218.  
271177. Col. No. 1437. I.W. 562.  
271178. Col. No. 1438. I.W. 1005.  
271179. Col. No. 1534.  
271180. Col. No. 1542. Outskirts of Poona.  
271181. Col. No. 1775. Forty-five meters above water supply lake, Igatpuri.
271182. *HETEROPOGON TRITICEUS* (R.Br.) Stapf Poaceae.  
Col. No. 1772. One km. north of Igatpuri. Bunchgrass to 1.2 meters high.
- 271183 to 271191. *HORDEUM VULGARE* L. Poaceae.  
271183 to 271190. Indian Agricultural Research Institute, New Delhi.  
271183. Col. No. 1521. N.P. 21.  
271184. Col. No. 1523. R.S. 30.  
271185. Col. No. 1524. R.S. 8.



**271134 to 271265—Continued****271183 to 271191—Continued****271183 to 271190—Continued**

271186. Col. No. 1525. N.P. 13.

271187. Col. No. 1526. C. 138-2.

271188. Col. No. 1528. K. 251.

271189. Col. No. 1529. Type 4.

271190. Col. No. 1530. R.S. 17.

271191. Col. No. 1753. Mt. Abu bazaar.

**271192. INDIGOFERA SUMATRANA Gaertn. Fabaceae.**

Col. No. 1418. A. No. 2379. Indian Agricultural Research Institute, New Delhi. Originally from Brazil.

**271193. ISCHAEMUM TIMORENSE Kunth Poaceae.**

Col. No. 1554. Five km. from Mahabashwar, towards Panchgani. Plant to 1.5 meters high, stemmy.

**271194. MEDICAGO SATIVA L. Fabaceae.****Alfalfa.**

Col. No. 1406. A. No. 3046. Bombay.

**271195. PANICUM MILIACEUM L. Poaceae.****Proso.**

Col. No. 1575. Village east of third tableland, Panchgani.

**271196. SETARIA PALMIFOLIA (Koen.) Stapf Poaceae.**

Col. No. 1555. Five km. from Mahabaleshwar, towards Panchgani. Plant to two meters high, stemmy; leaves broad.

**271197 to 271221. CENCHRUS CILIARIS L. Poaceae.**

Indian Agricultural Research Institute, New Delhi.

271197. Col. No. 1427. 'Delhi'.

271198. Col. No. 1428. 'Australia 49'.

271199. Col. No. 1429. E.C. 2138.

271200. Col. No. 1430. E.C. 2139.

271201. Col. No. 1431. E.C. 2294.

271202. Col. No. 1432. E.C. 2621.

271203. Col. No. 1453. E.C. 5590.

271204. Col. No. 1454. E.C. 5591.

271205. Col. No. 1455. E.C. 5592.

271206. Col. No. 1456. E.C. 5593.

271207. Col. No. 1457. E.C. 5596.

271208. Col. No. 1458. E.C. 5597.

271209. Col. No. 1459. E.C. 5598.

271210. Col. No. 1460. E.C. 5599.

271211. Col. No. 1461. E.C. 5601.

271212. Col. No. 1462. E.C. 5602.

271213. Col. No. 1463. E.C. 5605.

271214. Col. No. 1464. E.C. 5607.

271215. Col. No. 1465. E.C. 5609.

271216. Col. No. 1466. E.C. 5612.

## 271134 to 271265—Continued

## 271197 to 271221—Continued

271217. Col. No. 1467. E.C. 5613.  
 271218. Col. No. 1468. E.C. 5614.  
 271219. Col. No. 1469. E.C. 5615.  
 271220. Col. No. 1470. E.C. 5634.  
 271221. Col. No. 1471. E.C. 5635.
- 271222 and 271223. *Pennisetum spicatum* (L.) Willd. Pearl millet.  
 271222. Col. No. 1781. Igatpuri bazaar.  
 271223. Col. No. 1794. Nasik bazaar.
271224. *Ricinus communis* L. Euphorbiaceae. Castorbean.  
 Col. No. 1736. Three km. east of Mount Abu. Plants to 2.4 meters high.
271225. *Saccharum spontaneum* L. Poaceae.  
 Col. No. 1549. Streamside, 55 km. southeast of Poona. Plants to one meter high; plumes silvery.
271226. *Sesbania bispinosa* (Jacq.) W. F. Wight Fabaceae.  
 Col. No. 1412. A-No. 3243. Indian Agricultural Research Institute, New Delhi. From Mandya, India.
- 271227 and 271228. *Sesbania sesban* (L.) Merr.  
 271227. Col. No. 1624. Near stream 16 km. west of Poona.  
 271228. Col. No. 1808. Dark alluvium, edge of field north side of Nasik. Plant to 1.5 meters high.
- 271229 to 271231. *Sorghum halepense* (L.) Pers. Poaceae. Johnson grass.  
 271229. Col. No. 1580. East of third tableland, Panchgani.  
 271230. Col. No. 1582. East of third tableland, Panchgani. Plants to 2.4 meters high.  
 271231. Col. No. 1812. Dyke between paddy fields, four km. northeast of Igatpuri. Plants to three meters high.
- 271232 to 271239. *Sorghum bicolor* (L.) Moench  
 271232. Col. No. 1574. Near village east of third tableland, Panchgani.  
 271233. Col. No. 1579. Near village east of third tableland, Panchgani. Broom corn.  
 271234. Col. No. 1583. Near village east of third tableland, Panchgani. Tassel large.  
 271235. Col. No. 1623. Sixteen km. west of Poona. Grain pearly, yellow and white.  
 271236. Col. No. 1632. Paud. Head open.  
 271237. Col. No. 1787. Igatpuri bazaar. Used for making bread.  
 271238. Col. No. 1790. Nasik bazaar. Used for making bread.  
 271239. Col. No. 1796. Nasik bazaar.
271240. *Sorghum pugionifolium* Snowden  
 Col. No. 1537. Edge of field near Polam Airport, New Delhi. Glumes very hairy.
271241. *Sorghum controversum* (Steud.) Snowden  
 Col. No. 1631. West end of Paud. Plant 3.5 meters high; panicles large open; seeds black.

**271134 to 271265—Continued**

**271242.** *SORGHUM MILIACEUM* var. *PARVISPICULA* Snowden

Col. No. 1635. Botanic Garden, University of Poona.

**271243.** *SORGHUM* sp.

Col. No. 1717. Mt. Abu.

**271244 and 271245.** *SORGHUM CONTROVERSUM* (Steud.) Snowden

**271244.** Col. No. 1731. One and one-half km. east of Mt. Abu.

**271245.** Col. No. 1737. Three km. east of Mt. Abu. Plants to two meters high. Used as hay.

**271246.** *STYLOSANTHES GRACILIS* HBK. Fabaceae.

Col. No. 1408. A. No. 3260. Ranchi.

**271247.** *THEMEDA* sp. Poaceae.

Col. No. 1759. Fields near Palghan.

**271248.** *TRIFOLIUM ALEXANDRINUM* L. Fabaceae.

Berseem clover.

Col. No. 1414. Indian Agricultural Research Institute, New Delhi.

**271249 and 271250.** *HORDEUM VULGARE* L. Poaceae.

**271249.** Col. No. 1522. CN 292. Indian Agricultural Research Institute, New Delhi.

**271250.** Col. No. 1527. CN 294. Indian Agricultural Research Institute, New Delhi.

**271251 to 271254.** *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

**271251.** Col. No. 1750. Mt. Abu bazaar.

**271252.** Col. No. 1786. Igatpuri bazaar.

**271253.** Col. No. 1792. Nasik bazaar.

**271254.** Col. No. 1795. Nasik bazaar.

**271255.** *VICIA* sp. Fabaceae.

Col. No. 1782. Igatpuri bazaar.

**271256 to 271264.** *VIGNA SINENSIS* (Torner) Savi Fabaceae. Cowpea.

**271256 to 271260.** Indian Agricultural Research Institute, New Delhi.

**271256.** Col. No. 1489. Vegetable type.

**271257.** Col. No. 1490. 890/A. I.C. 2815.

**271258.** Col. No. 1491. 894/A. I.C. 2816.

**271259.** Col. No. 1492. 2864. 'Early Sugar'.

**271260.** Col. No. 1493. I.C. 3231. 'Fyzabad'.

**271261.** Col. No. 1714. Poona Agricultural College.

**271262.** Col. No. 1752. Mt. Abu bazaar.

**271263.** Col. No. 1788. Igatpuri bazaar. Seeds small.

**271264.** Col. No. 1793. Nasik bazaar.

**271265.** *ZEA MAYS* L. Poaceae.

Corn.

Col. No. 1751. Mt. Abu bazaar.

**271266 and 271267.** *CUCUMIS MELO* L. Cucurbitaceae.

Muskmelon.

From Iran. Seeds presented by the Foreign Agricultural Service, Office of Agricultural Attache, Tehran. Received Jan. 24, 1961.



**271266 and 271267—Continued**

271266. No. 1. 'Kharbozeh'.

271267. No. 2. 'Kharbozeh'.

**271268. MANGIFERA INDICA L. Anacardiaceae.****Mango.**

From Australia. Seeds presented by the Department of Agriculture and Stock, Brisbane, Queensland. Received Jan. 19, 1961.

'Kensington'. Bowen, Queensland.

**271269. SACCHARUM (hybrid) Poaceae.****Sugarcane.**

From Mexico. Cuttings presented by the United States Embassy, Mexico City. Received Jan. 23, 1961.

K.I.E.(F) X C.P. 33-24 (M). MEX. 53-142.

**271270 to 271282. CORYLUS AVELLANA L. Betulaceae. Filbert.**

From the Netherlands. Budsticks presented by the Institute of Horticultural Plant Breeding, Wageningen. Received Jan. 23, 1961.

271270. 'Bergeri' ('Louis Berger'). Originally from Alnarp Experiment Station, Alnarp, Sweden. Parentage unknown.

271271. 'Duke of Edinburgh' ('Princess Royal'). Originally from Alnarp Experiment Station, Alnarp, Sweden. Parentage unknown. Bred by R. Webb, Calcot, Reading, England.

271272. 'Emperor'. Originally from U.S. Department of Agriculture, Beltsville, Md.

271273. 'Fichtmans'. From a Dutch nursery. A fruitful variety, but too small for commercial purposes.

271274. 'Garibaldi'. A seedling from Richard Webb's nursery. Nut to 25 mm. long, 15 mm. broad, 14 mm. thick.

271275. 'Lambert Filbert'. ('Kentish Cob' 'Du Chilly'). Originally from Chr. Fey, Meckenheim, Germany.

271276. 'Long Fellow'. Originally from U.S. Department of Agriculture, Beltsville, Md.

271277. 'Medium Long'. Originally from New York Agricultural Experiment Station, Geneva, New York.

271278. 'Neue Riesen'. German variety of unknown parentage. Nuts large.

271279. 'Pearsons Prolific'. From Thomas Rivers, Sawbridgeworth, England. Parentage unknown.

271280. 'Rode Zeller'. Nuts small; used as an ornamental.

271281. 'Romeinse Noot'. Parentage unknown. Nut large, broad.

271282. 'Roodpit Lambertsnoot'. From a Dutch nursery. Parentage unknown. Flavorful but too small for commercial purposes. Important as pollinator.

**271283 to 271286. TRITICUM AESTIVUM L. Poaceae.****Common wheat.**

From Italy. Seeds presented by Dott. Marco Michahelles, Firenze. Received Jan. 24, 1961.

Semi-dwarf varieties adapted to Italian winters and supposedly of good milling and baking qualities.

271283. 'Conte Marzotto'.

271285. 'Mara'.

271284. 'Generoso 7'.

271286. 'M.M.'.

**271287. ORYZA SATIVA L. Poaceae.****Rice.**

From Guatemala. Seeds presented by the Ministerio de Agricultura, Guatemala City. Received Jan. 24, 1961.

'Perlita-Jalapa'.

**271288. PROTEA BARBIGERA Meisn. Proteaceae.**

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Jan. 24, 1961.

Col. No. 18802. Bot River, Capetown.

**271289. DIOSCOREA sp. Dioscoraceae.**

From Japan. Rhizome intercepted in the mail at El Paso, Tex., on Jan. 23, 1961. Received Jan. 25, 1961.

**271290 to 271304. SACCHARUM (hybrids) Poaceae.****Sugarcane.**

From the United States. Cuttings presented by the Hawaiian Sugar Planters Association, Honolulu, Hawaii. Received Jan. 25, 1961.

271290. H. 59-9878.

271298. H. 59-9894.

271291. H. 59-9882.

271299. H. 59-9896.

271292. H. 59-9884.

271300. H. 59-9910.

271293. H. 59-9887.

271301. H. 59-9911.

271294. H. 59-9888.

271302. H. 59-9912.

271295. H. 59-9890.

271303. H. 59-9930.

271296. H. 59-9891.

271304. H. 59-9934.

271297. H. 59-9893.

**271305 and 271306.**

From the United States Virgin Islands. Cuttings collected by W. H. Hodge, Longwood Gardens, Kennett Square, Pennsylvania. Received Jan. 26, 1961.

**271305. ANTHURIUM sp. Araceae.**

W1-1. Fern gully, Waterisle, St. Thomas. Growing on totem-shaded house.

**271306. MONSTERA sp. Araceae.**

W1-2. Fern gully, Waterisle, St. Thomas. Grown in shade house.

**271307. PYRACANTHA (hybrid). Malaceae.**

From Great Britain. Plants presented by John Jefferies and Son Ltd., Cirencester, England. Received Jan. 27, 1961.

'Chinese Brocade'.

**271308 to 271413.**

From India. Bulbs and seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Jan. 30, 1961. Seeds unless otherwise noted.

**271308 to 271312. ALLIUM CEPA L. Liliaceae.****Onion.**

271308. Col. No. 1501. Mysore. Deep red.

271309. Col. No. 1502. I.C. 270. New Delhi.

271310. Col. No. 1503. I.C. 3075. 'Pusa Red'. New Delhi.

271311. Col. No. 1504. I.C. 4528. 'Nasik'. New Delhi.

## 271308 to 271413—Continued

## 271308 to 271312—Continued

271312. Col. No. 1746. Mt. Abu bazaar. Bulbs.  
 271313 and 271314. *ALLIUM SATIVUM* L. Garlic.  
 271313. Col. No. 1745. Mt. Abu bazaar. Bulbs.  
 271314. Col. No. 1799. Mt. Abu bazaar. Bulbs.  
 271315 to 271319. *BENINCASA HISPIDA* (Thunb.) Cogn. Cucurbitaceae.  
 Waxgourd.

From the Poona Agricultural College.

271315. Col. No. 1692. No. 3.  
 271316. Col. No. 1693. No. 2.  
 271317. Col. No. 1694. No. 4.  
 271318. Col. No. 1695. No. 6.  
 271319. Col. No. 1696. No. 7.  
 271320. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. Cauliflower.  
 Col. No. 1484. 'Pusa Katki'. New Delhi.  
 271321. *CAPSICUM FRUTESCENS* L. Solanaceae. Redpepper.  
 Col. No. 1784. Igatpuri bazaar.  
 271322. *CAPSICUM ANNUUM* L. Pimento.  
 Col. No. 1747. Mt. Abu bazaar.  
 271323 to 271325. *CICER ARIETINUM* L. Fabaceae. Chickpea.  
 271323. Col. No. 1157. Palanpur bazaar. Seeds angular.  
 271324. Col. No. 1171. Palanpur bazaar. Seeds angular.  
 271325. Col. No. 1176. Palanpur bazaar. Seeds round.  
 271326 to 271328. *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.  
 From the Poona Agricultural College.  
 271326. Col. No. 1682. No. 63. 'Khira'.  
 271327. Col. No. 1683. No. 64. 'Khira'.  
 271328. Col. No. 1684. No. 69. 'Khira'.  
 271329. *CUCUMIS MELO* L. Muskmelon.  
 Col. No. 1685. No. 71. 'Khira'.  
 271330 to 271332. *CUCUMIS SATIVUS* L. Cucumber.  
 271330. Col. No. 1686. No. 72. 'Khira'.  
 271331. Col. No. 1687. No. 74. 'Khira'.  
 271332. Col. No. 1688. No. 77. 'Khira'.  
 271333. *CUCUMIS MELO* L. Muskmelon.  
 Col. No. 1689. No. 76. 'Khira'.  
 271334 and 271335. *CUCUMIS SATIVUS* L. Cucumber.  
 271334. Col. No. 1690. No. 78. 'Khira'.  
 271335. Col. No. 1691. No. 80. 'Khira'.  
 271336 and 271337. *CUCUMIS TRIGONIS* Roxb.  
 271336. Col. No. 1609. Ravine between Khandala and Lonauli. Plant  
 a vine.



**271308 to 271413—Continued****271336 and 271337—Continued**

271337. Col. No. 1744. Canyon bottom five km. east of Mt. Abu. Plant a vine; fruits spiny, round.

271338 to 271347. *CUCURBITA MAXIMA* Duchesne Cucurbitaceae. Squash.

From the Poona Agricultural College.

271338. Col. No. 1645. No. 2. 'Indor'.

271339. Col. No. 1646. No. 3. 'Indor'.

271340. Col. No. 1647. No. 4. 'Indor'.

271341. Col. No. 1648. No. 7. 'Indor'.

271342. Col. No. 1649. No. 11. 'Indor'.

271343. Col. No. 1650. No. 12. 'Indor'.

271344. Col. No. 1651. No. 16. 'Indor'.

271345. Col. No. 1652. No. 18. 'Indor'.

271346. Col. No. 1653. No. 20. 'Indor'.

271347. Col. No. 1654. No. 21. 'Indor'.

271348. *DAUCUS CAROTA* L. Apiaceae.

Carrot.

Col. No. 1483. 'Asiatic Red'. New Delhi.

271349. *HIBISCUS ESCULENTUS* L. Malvaceae.

Okra.

Col. No. 1478. 'Pusa Sawani'. Reportedly resistant to "white-vein" disease.

271350 to 271360. *LAGENARIA SICERARIA* (Mol.) Standl. Cucurbitaceae.  
Calabash gourd.

From the Poona Agricultural College.

271350. Col. No. 1480. 'Delhi'. Summer maturing; fruit prolific, long.

271351. Col. No. 1662. No. 1.

271352. Col. No. 1663. No. 4.

271353. Col. No. 1664. No. 5.

271354. Col. No. 1665. No. 7.

271355. Col. No. 1666. No. 8.

271356. Col. No. 1667. No. 10.

271357. Col. No. 1668. No. 20.

271358. Col. No. 1669. No. 23.

271359. Col. No. 1670. No. 24.

271360. Col. No. 1671. No. 26.

271361. *LATHYRUS OCHRUS* (L.) DC. Fabaceae.

Col. No. 1405. From the Indian Agricultural Research Institute.

271362. *LUFFA ACUTANGULA* (L.) Roxb. Cucurbitaceae. Loofah gourd.

Col. No. 1481. 'Pusa Nasda'. New Delhi.

271363. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae.  
Watermelon.

Col. No. 1655. No. 7. 'Dodka'. From the Poona Agricultural College.

271364 to 271369. *LUFFA ACUTANGULA* (L.) Roxb. Cucurbitaceae.  
Loofah gourd.

From the Poona Agricultural College.

271364. Col. No. 1656. No. 8. 'Dodka'.

**271308 to 271413—Continued****271364 to 271369—Continued**

271365. Col. No. 1657. No. 9. 'Dodka'.  
 271366. Col. No. 1658. No. 11. 'Dodka'.  
 271367. Col. No. 1659. No. 12. 'Dodka'.  
 271368. Col. No. 1660. No. 17. 'Dodka'.  
 271369. Col. No. 1661. No. 21. 'Dodka'.

**271370 to 271380. LUFFA CYLINDRICA (L.) Roemer. Suakwa towelgourd.**

271370. Col. No. 1482. 'Pusa Chileini'. New Delhi.

From the Poona Agricultural College.

271371. Col. No. 1702. No. 6. 'Ghosali'.  
 271372. Col. No. 1703. No. 7. 'Ghosali'.  
 271373. Col. No. 1704. No. 8. 'Ghosali'.  
 271374. Col. No. 1705. No. 9. 'Ghosali'.  
 271375. Col. No. 1706. No. 10. 'Ghosali'.  
 271376. Col. No. 1707. No. 11. 'Ghosali'.  
 271377. Col. No. 1708. No. 12. 'Ghosali'.  
 271378. Col. No. 1709. No. 13. 'Ghosali'.  
 271379. Col. No. 1710. No. 16. 'Ghosali'.  
 271380. Col. No. 1711. No. 17. 'Ghosali'.

**271381 to 271388. LYCOPERSICON ESCULENTUM Mill. Solanaceae.**

**Tomato.**

271381. Col. No. 1505. I.C. 3161. 'Jaipur'. New Delhi.  
 271382. Col. No. 1506. 'Bewar'. New Delhi.  
 271383. Col. No. 1507. 'Meeneti'. New Delhi.  
 271384. Col. No. 1508. K-1019. New Delhi.  
 271385. Col. No. 1509. I.C. 1464. New Delhi.  
 271386. Col. No. 1510. I.C. 2325. New Delhi.  
 271387. Col. No. 1511. I.C. 4874. 'Kalimpong'. New Delhi.  
 271388. Col. No. 1512. I.C. 4875. 'Kalimpong'. New Delhi.

**271389 to 271398. MOMORDICA CHARANTIA L. Cucurbitaceae. Balsam-pear.**

From the Poona Agricultural College.

271389. Col. No. 1672. No. 2. 'Karli'.  
 271390. Col. No. 1673. No. 4. 'Karli'.  
 271391. Col. No. 1674. No. 5. 'Karli'.  
 271392. Col. No. 1675. No. 6. 'Karli'.  
 271393. Col. No. 1676. No. 7. 'Karli'.  
 271394. Col. No. 1677. No. 8. 'Karli'.  
 271395. Col. No. 1678. No. 9. 'Karli'.  
 271396. Col. No. 1679. No. 11. 'Karli'.  
 271397. Col. No. 1680. No. 12. 'Karli'.  
 271398. Col. No. 1681. No. 13. 'Karli'.

**271308 to 271413—Continued**

**271399 and 271400.** *PHASEOLUS ACONITIFOLIUS* Jacq. Fabaceae. Mothbean.

271399. Col. No. 1785. 'Mut'. Igatupuri bazaar.

271400. Col. No. 1798. 'Mut'. Nasik bazaar.

**271401 to 271408.** *PHASEOLUS AUREUS* Roxb. Mungbean.

271401. Col. No. 1496. I.C. 5551. New Delhi.

271402. Col. No. 1497. I.C. 695. 'Punjabi'. New Delhi.

271403. Col. No. 1498. I.C. 682. New Delhi.

271404. Col. No. 1499. I.C. 2056. New Delhi.

271405. Col. No. 1500. I.C. 1957. 'Krishna'. New Delhi.

271406. Col. No. 1749. Mt. Abu bazaar.

271407. Col. No. 1780. Igatupuri bazaar.

271408. Col. No. 1791. Nasik bazaar.

**271409 and 271410.** *PHASEOLUS MUNGO* L. Urd.

271409. Col. No. 1556. Five km. from Mahabaleshwar, towards Panchgani.

271410. Col. No. 1748. Mt. Abu bazaar.

**271411 and 271412.** *SOLANUM MELONGENA* L. Solanaceae. Eggplant.

271411. Col. No. 1712. 'Monjari Gata'. Poona Agricultural College.

271412. Col. No. 1713. 'Jurti Gata'. Poona Agricultural College.

**271413.** *SOLANUM* sp.

No. 1771. Caprock, 1.5 km. north of Igatpuri. Plant branched, woody, armed, to one meter high; flowers blue; anthers yellow.

**271414 to 271423.** *THEOBROMA CACAO* L. Sterculiaceae. Cacao.

From the British West Indies. Seeds presented by the Cocoa Board, Agricultural Department, St. Clair, Port of Spain, Trinidad. Received Jan. 31, 1961.

271414. IMC 67 × PA 13.

271419. IMC 67 × TSA 644.

271415. IMC 67 × PA 30.

271420. IMC 67 × TSAN 792.

271416. IMC 67 × PA 81.

271421. IMC 67 × TSH 565.

271417. IMC 67 × PA 150.

271422. SCA 9 × IMC 67.

271418. IMC 67 × PA 218.

271423. SCA 12 × IMC 67.

**271424.** *CYNODON DACTYLON* (L.) Pers. Poaceae.

Bermudagrass.

From Ethiopia. Rhizomes collected by Hugh Rouk, United States Operations Mission, Addis Ababa. Received Jan. 31, 1961.

No. 2101. Mussolini Pass, near Debra Sina. Elevation 10,200 feet.

**271425 to 271427.** *VACCINIUM BRACTEATUM* Thunb.

Vacciniaceae.

Oriental blueberry.

From Japan. Seeds presented by the Kyushu Agricultural Experiment Station, Anno, Tanegashima, Kagoshima-ken. Received Jan. 31, 1961.

271425. No. 1. Collected at Anno, Tanegashima. Dec. 1960.

271426. No. 2. Collected at Hirayama, Tanegashima. Dec. 1960.

271427. No. 3. Collected at Kukinaga, Tanegashima. Dec. 1960.



**271428. PRUNUS DOMESTICA L. Amygdalaceae. Common plum.**

From Great Britain. Budsticks presented by the Scottish Horticultural Research Institute, Mylnefield, Invergowrie, by Dundee, Scotland. Received Feb. 1, 1961.

'Gordon Castle'.

**271429. PHYLLOSTACHYS EDULIS var. HETEROCYCLA H. de Leh. Poaceae. Bamboo.**

From Japan. Rhizomes presented by the Experimental Forest Station, Kyoto University, Kyoto. Received Feb. 1, 1961.

**271430. HIBISCUS sp. Malvaceae.**

From Tanganyika. Seeds collected by O. E. White, Serengeti Plains. Received Feb. 1, 1961.

**271431. PINUS sp. Pinaceae.**

From Afghanistan. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 2, 1961.

Col. No. 343. Lashkar Grah nursery. Reportedly from the Herat Region. Plants fast growing, stands hot weather well. Extensively planted in southern Afghanistan.

**271432 to 271520.**

From India. Bulbs and seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 2, 1961.

Seeds unless otherwise noted.

**271432 to 271434. ALLIUM CEPA L. Liliaceae. Onion.**

271432. Col. No. 1136. Dalhousie bazaar. Bulbs.

271433. Col. No. 1196. Palanpur bazaar. Bulbs.

271434. Col. No. 1275. Sarahan bazaar. Bulbs.

**271435 and 271436. ALLIUM SATIVUM L. Garlic.**

271435. Col. No. 1134. Dalhousie bazaar. Bulbs.

271436. Col. No. 1150. Palanpur bazaar. Bulbs.

**271437. ASPARAGUS sp. Convallariaceae.**

Col. No. 1213. Mandi orchard. Elevation 1,870 meters.

**271438 to 271441. BETA VULGARIS L. Chenopodiaceae. Common beet.**

271438. Col. No. 1162. 'Palak'. Palanpur bazaar.

271439. Col. No. 1189. Palanpur bazaar.

271440. Col. No. 1276. Sarahan bazaar.

271441. Col. No. 1286. Sarahan bazaar.

**271442. BRASSICA JUNCEA (L.) Coss. Brassicaceae. Chinese mustard.**

Col. No. 1151. 'Sarson'. Palanpur bazaar.

**271443. BRASSICA CAMPESTRIS var. SARSON Prain. Brassicaceae. Sarson.**

Col. No. 1155. 'Sarson'. Palanpur bazaar.

**271444. BRASSICA NIGRA (L.) Koch. Black mustard.**

Col. No. 1250. 'Sarson'. Kulu bazaar.

**271445 and 271446. BRASSICA OLERACEA var. BOTRYTIS L. Cauliflower.**

## 271432 to 271520—Continued

## 271445 and 271446—Continued

271445. Col. No. 1173. Palanpur bazaar.
271446. Col. No. 1346. Farm near Jodhpur.
- 271447 to 271449. *BRASSICA RAPA* L. Turnip.
271447. Col. No. 1165. Palanpur bazaar.
271448. Col. No. 1186. Palanpur bazaar.
271449. Col. No. 1294. Sarahan bazaar.
271450. *BRASSICA* sp.
- Col. No. 1166. 'Gobi'. Palanpur bazaar.
271451. *RAPHANUS RAPHANISTRUM* L. Brassicaceae.
- Col. No. 1183. 'Munra'. Palanpur bazaar.
271452. *BRASSICA NAPUS* L. Brassicaceae. Rape.
- Col. No. 1187. Palanpur bazaar.
271453. *BRASSICA JUNCEA* (L.) Coss. Chinese mustard.
- Col. No. 1193. 'Rai'. Palanpur bazaar.
271454. *BRASSICA* sp.
- Col. No. 1195. Palanpur bazaar.
271455. *BRASSICA JUNCEA* (L.) Coss. Chinese mustard.
- Col. No. 1246. 'Sarrow'. Kulu bazaar.
271456. *RAPHANUS RAPHANISTRUM* L. Brassicaceae.
- Col. No. 1277. 'Mungra'. Sarahan bazaar.
271457. *BRASSICA* sp. Brassicaceae.
- Col. No. 1285. Sarahan bazaar.
271458. *BRASSICA* sp.
- Col. No. 1289. 'Pul'. Sarahan bazaar.
271459. *RAPHANUS SATIVUS* L. Radish.
- Col. No. 1290. Sarahan bazaar.
- 271460 to 271464. *CAPSICUM FRUTESCENS* L. Solanaceae. Redpepper.
271460. Col. No. 1160. Palanpur bazaar. Fruit small.
271461. Col. No. 1255. Kulu bazaar. Fruit small, orange colored.
271462. Col. No. 1282. Sarahan bazaar.
271463. Col. No. 1317. Gishangore market.
271464. Col. No. 1360. Farm near Jodhpur. Fruit long, red.
271465. *CHENOPODIUM ALBUM* L. Chenopodiaceae.
- Col. No. 1345. Farm near Jodhpur. Used as a vegetable.
- 271466 and 271467. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae. Watermelon.
271466. Col. No. 1342. Farm near Jodhpur.
271467. Col. No. 1352. 'Tinda'. Farm near Jodhpur.
271468. *CUCURBITA PEPO* L. Cucurbitaceae. Pumpkin.
- Col. No. 1355. 'Peta'. Farm near Jodhpur.
271469. *CUCURBITA* sp.
- Col. No. 1113. Wooded foothills, high rainfall area, 55 km. below Dalhousie. Plant a vine.

## 271432 to 271520—Continued

- 271470 to 271473. *DAUCUS CAROTA* L. Apiaceae. Carrot.  
 271470. Col. No. 1159. 'Garjer'. Palanpur bazaar.  
 271471. Col. No. 1164. Palanpur bazaar.  
 271472. Col. No. 1287. Sarahan bazaar.  
 271473. Col. No. 1356. Farm near Jodhpur.
271474. *HIBISCUS ESCULENTUS* L. Malvaceae. Okra.  
 Col. No. 1292. Sarahan bazaar.
- 271475 and 271476. *LACTUCA SATIVA* L. Cichoriaceae.  
 271475. Col. No. 1174. Palanpur bazaar.  
 271476. Col. No. 1291. Sarahan bazaar.
- 271477 to 271479. *LAGENARIA SICERARIA* (Mol.) Standl. Cucurbitaceae. Calabash gourd.  
 271477. Col. No. 1168. Palanpur bazaar. Bottle gourd.  
 271478. Col. No. 1284. 'Gujah'. Sarahan bazaar.  
 271479. Col. No. 1353. Farm near Jodhpur.
271480. *LUFFA ACUTANGULA* (L.) Roxb. Cucurbitaceae. Loofah gourd.  
 Col. No. 1341. Farm near Jodhpur. Ridge gourd.
- 271481 and 271482. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.  
 271481. Col. No. 1194. Palanpur bazaar.  
 271482. Col. No. 1281. Sarahan bazaar.
271483. *MOMORDICA BALSAMINA* L. Cucurbitaceae. Balsam-apple.  
 Col. No. 1326. Tabiji station, Ajmer. Plant a vine; leaves small; fruit 50 mm. long, sometimes eaten.
- 271484 to 271487. *MOMORDICA CHARANTIA* L. Balsam-pear.  
 271484. Col. No. 1137. Dalhousie bazaar. Fruits gnarled, about 75 mm. long, pointed at both ends.  
 271485. Col. No. 1182. Palanpur bazaar.  
 271486. Col. No. 1288. Sarahan bazaar.  
 271487. Col. No. 1343. 'Karila'. Farm near Jodhpur.
- 271488 and 271489. *PHASEOLUS ACONITIFOLIUS* Jacq. Fabaceae. Mothbean.  
 271488. Col. No. 1330. Field, 80 km. from Pali, road from Ajmer. Plant a vine.  
 271489. Col. No. 1384. Jodhpur Experiment Station.
- 271490 to 271495. *PHASEOLUS AUREUS* Roxb. Mungbean.  
 271490. Col. No. 1154. Palanpur bazaar.  
 271491. Col. No. 1170. Palanpur bazaar.  
 271492. Col. No. 1209. Five km. below Mandi. Elevation 1,800 meters.  
 271493. Col. No. 1244. Kula bazaar.  
 271494. Col. No. 1383. Jodhpur.  
 271495. Col. No. 1386. Jodhpur.
271496. *PHASEOLUS CALCARATUS* Roxb.  
 Col. No. 1344. Farm near Jodhpur. Plant a trailing bean.



**271432 to 271520—Continued**

**271497 to 271499.** *PHASEOLUS MUNGO* L. **Urd.**

271497. Col. No. 1161. Palanpur bazaar.

271498. Col. No. 1177. Palanpur bazaar.

271499. Col. No. 1251. 'Mash'. Kulu bazaar.

**271500.** *PHASEOLUS RADIATUS* L.

Col. No. 1329. Field, 80 km. from Pali, road from Ajmer. Plant a bushy vine; fruits to 60 mm. long, edible.

**271501 to 271506.** *PHASEOLUS VULGARIS* L.

271501. Col. No. 1153. Palanpur bazaar.

271502. Col. No. 1167. Palanpur bazaar. Seeds red.

271503. Col. No. 1169. Palanpur bazaar.

271504. Col. No. 1172. Palanpur bazaar.

271505. Col. No. 1188. Palanpur bazaar.

271506. Col. No. 1247. 'Raji Mar'. Kulu bazaar. Pinto.

**271507 to 271511.** *PISUM SATIVUM* L. Fabaceae.

271507. Col. No. 1156. Palanpur bazaar.

271508. Col. No. 1163. Palanpur bazaar.

271509. Col. No. 1179. Palanpur bazaar.

271510. Col. No. 1293. Sarahan bazaar.

271511. Col. No. 1295. Sarahan bazaar.

**271512.** *PYRUS* sp. Malaceae.

Col. No. 1133. Wasteland four km. below Dalhousie. Tree to 7.6 meters high; fruits small, round.

**271513.** *PYRUS* sp.

Col. No. 1272. Steep wooded hills 22 km. from Kalka, towards Simla. Tree a prolific bearer.

**271514 to 271518.** *RAPHANUS SATIVUS* L. Brassicaceae. **Radish.**

271514. Col. No. 1185. Palanpur bazaar.

271515. Col. No. 1190. Palanpur bazaar.

271516. Col. No. 1191. Palanpur bazaar. Roots white.

271517. Col. No. 1283. Sarahan bazaar.

271518. Col. No. 1357. Farm near Jodhpur.

**271519.** *RUBUS* sp. Rosaceae.

Col. No. 1060. 'Watlab'. Plant scrawny; fruits small.

**271520.** *SOLANUM MELONGENA* L. Solanaceae. **Eggplant.**

Col. No. 1184. Palanpur bazaar.

**271521.** *ARUNDINARIA ALPINA* Schum. Poaceae. **Bamboo.**

From Kenya. Rhizomes presented by the Grassland Research Station, Department of Agriculture, Kitale. Received Feb. 2, 1961.

Collected on Mount Elgon, elevation 9,000 feet.

**271522 to 271642.**

From India. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 6, 1961.

## 271522 to 271642—Continued

271522. *AGROPYRON SEMICOSTATUM* Nees ex Boiss. Poaceae.

Col. No. 1223. Corn and amaranth field edge of fir-spruce forest, 200 meters up hillside from Mandi. Plants to one meter high, slender, nodding.

271523. *BROMUS* sp. Poaceae.

Col. No. 1220. Corn and amaranth field, edge of fir-spruce forest, 200 meters up hillside from Mandi. Elevation 2,000 meters. Plants to 18 dm. high.

271524. *HELICOTRICHON ASPERUM* (Munro) Bor Poaceae.

Col. No. 1226. Two km. above Mandi, 150 meters up mountainside. Elevation 2,100 meters. Plant one meter high.

271525. *CALAMAGROSTIS EPIGEIOS* (L.) Roth Poaceae.

Col. No. 1086. Exposed slope above timberline, three km. above Chandanwari. Elevation 3,160 meters. Robust bunchgrass to one meter high.

271526. *CANTHAROSPERMUM* sp. Fabaceae.

Col. No. 1118. Abandoned field in heavily wooded foothills, high rainfall area, 46 km. below Dalhousie. Plant 30 cm. high; depauperate; pods hairy.

271527 to 271529. *CENCHRUS SETIGERUS* Vahl Poaceae.

271527. Col. No. 1313. Along Circuit House drive, Alevat.

271528. Col. No. 1324. Fifteen km. from Ajmer.

271529. Col. No. 1337. Dry roadside, 65 km. from Jodhpur, Pali road. Plant 30 cm. high.

271530 to 271533. *CHRYSOPOGON MONTANUS* Trin. ex Sprengel Poaceae.

271530. Col. No. 1031. Nine km. south of Pathankot.

271531. Col. No. 1101. Fields and wasteland, 10 km. from Pathankot, towards Dalhousie. Bunchgrass to one meter high; stemming variably.

271532. Col. No. 1267. Steep deforested hillside, 30 km. from Simla, towards Kalka.

271533. Col. No. 1305. Terrace, 10 km. below Mussoorie.

271534 to 271551. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. Fabaceae.

Guar.

271534. Col. No. 1361. B-33-2-55. From Rajasthan via Experiment Station Jodhpur.

271535. Col. No. 1362. B-23-2-55.

271536. Col. No. 1363. B-22-1-55.

271537. Col. No. 1364. B-11-1-55.

271538. Col. No. 1365. B-31-1-55.

271539. Col. No. 1366. B-20-2-55.

271540. Col. No. 1367. B-5-1-55.

271541. Col. No. 1368. B-37-6-55.

271542. Col. No. 1369. B-23-1-55.

271543. Col. No. 1370. B-7-1-55.

271544. Col. No. 1371. B-9-2-55.

271545. Col. No. 1372. B-4-3-55.

271546. Col. No. 1373. B-4-2-55.

271547. Col. No. 1374. B-40-1-55.

271548. Col. No. 1375. D-20-1-56.

**271522 to 271642—Continued****271534 to 271551—Continued**

271549. Col. No. 1376. B-22-2-55.

271550. Col. No. 1377. B-31-2-55.

271551. Col. No. 1378. B-21-1-55.

**271552. CYMBOPOGON DISTANS (Nees) Wats. Poaceae.**

Col. No. 1074. Seventeen km. south of Pahlgam. Bunchgrass to one meter high.

**271553. THEMEDA ANATHERA (Nees) Hack. Poaceae.**

Col. No. 1114. Abandoned field in heavily wooded foothills, high rainfall area, 46 km. below Dalhousie. Bunchgrass to one meter high; stems slender.

**271554. CYMBOPOGON sp. Poaceae.**

Col. No. 1266. Steep, deforested, hillside 30 km. from Simla, towards Kalka. Bunchgrass to 15 dm. high.

**271555. CYMBOPOGON sp.**

Col. No. 1338. Dry roadside 65 km. from Jodhpur, Pali road. Plants to 0.5 meter high.

**271556. APLUDA MUTICA L. Poaceae.**

Col. No. 1339. Rocky forest enclosure, 25 km. north of Buni, on Jaipur road. Bunchgrass to one meter high.

**271557. CYNODON DACTYLON (L.) Pers. Poaceae.**

**Bermudagrass.**

Col. No. 1224. Corn and amaranth field, edge of fir-spruce forest, 200 meters up hillside from Mandi. Plants small, turf type.

**271558. DACTYLIS GLOMERATA L. Poaceae.**

**Orchardgrass.**

Col. No. 1067. Twenty-five km. up Lolab valley. Plant one meter high; racemes slender.

**271559 to 271561. DACTYLOCTENIUM AEGYPTIUM (L.) Beauv. Poaceae.**

271559. Col. No. 1262. Steep wooded hills in high rainfall area, 50 km. from Mandi, towards Simla. Plants 12.5 cm. high stoloniferous; runners to two meters long.

271560. Col. No. 1323. Fifteen km. from Ajmer. Plant stoloniferous; runners to two meters long.

271561. Col. No. 1389. Uncultivated savannah adjacent to Tobiji Experiment Station, 13 km. west of Ajmer. Plant decumbent, to 60 cm. high.

**271562. DIGITARIA SANGUINALIS (L.) Scop. Poaceae.**

**Crabgrass.**

Col. No. 1103. Fields and wastelands near timbered country, 10 km. from Pathankot, on way to Dalhousie. Plants to one meter high; racemes large.

**271563. ECHINOCHLOA CRUSGALLI (L.) Beauv. Poaceae.**

Col. No. 1241. Upper Kulu Valley two km. below Kothi.

**271564. ELEUSINE CORACANA (L.) Gaertn. Poaceae.**

**Ragi.**

Col. No. 1211. Five km. below Mandi. Elevation 1,800 meters.

**271565 and 271566. ELYONURUS HIRSUTUS Munro ex Benth. Poaceae.**

271565. Col. No. 1387. Central Arid Zone Research Institute, Jodhpur.

271566. Col. No. 1388. Central Arid Zone Research Institute, Jodhpur.



## 271522 to 271642—Continued

271567. *ERAGROSTIS PILOSA* (L.) Beauv. Poaceae. India lovegrass.

Col. No. 1222. Corn and amaranth field, edge of fir-spruce forest, 200 meters up hillside from Mandi. Plants 60 cm. high; panicles fine, lacy.

271568. *ERIANTHUS* sp. Poaceae.

Col. No. 1197. Steep, wooded hill country, high rainfall area near Jogindarnagar. Bunchgrass to 1.5 meters; plume silvery.

271569. *ERIANTHUS* sp.

Col. No. 1390. Uncultivated savannah adjacent to Tabiji Experiment Station, 13 km. west of Ajmer. Plants to 12 dm. high; plumes silvery.

271570. *ERIOCHLOA* sp. Poaceae.

Col. No. 1130. Edge of cornfield and terrace, three km. below Dalhousie. Rank grower to one meter high.

271571. *ERIOCHLOA* sp.

Col. No. 1198. Edge of Jogindarnagar, steep, wooded hill country, high rainfall area. Sprawling grass to one meter high.

271572. *ERIOCHLOA* sp.

Col. No. 1268. Steep, deforested hillside, 30 km. from Simla, towards Kalka. Plants to 14 dm. high.

271573. *ERIOCHLOA* sp.

Col. No. 1304. Old terrace, 10 km. below Mussoorie. Bunchgrass to one meter high.

271574. *FESTUCA* sp. Poaceae.

Col. No. 1122. Edge of cornfield and terrace wall, eight km. from Dalhousie. Bunchgrass to one meter high; culms slender, drooping.

271575. *BRACHYPODIUM SYLVATICUM* (Huds.) Beauv. Poaceae.

Col. No. 1227. Two km. above Mandi, 150 meters up mountainside. Elevation 2,100 meters. Bunchgrass to one meter high; spikelets very long.

271576. *FESTUCA* sp. Poaceae.

Col. No. 1231. Two km. above Mandi, 150 meters up mountainside. Elevation 2,100 meters. Plant to 60 cm. high.

271577. *BRACHYPODIUM SYLVATICUM* (Huds.) Beauv. Poaceae.

Col. No. 1232. Two km. above Mandi, 150 meters up mountainside. Elevation 2,100 meters. Plants to one meter high.

271578. *HELIANTHUS ANNUUS* L. Asteraceae. Sunflower.

Col. No. 1351. Farm near Jodhpur. Seeds white.

271579 to 271582. *HETEROPOGON CONTORTUS* (L.) Beauv. ex Roem. & Schult. Poaceae.

271579. Col. No. 1100. Fields and wasteland, near timbered country, 10 km. from Pathankot, towards Dalhousie.

271580. Col. No. 1261. Steep, wooded hills, in high rainfall area, 50 km. from Mandi towards Simla. Plants to one meter high.

271581. Col. No. 1325. Fifteen km. from Ajmer.

271582. Col. No. 1391. Uncultivated savannah adjacent to Tabiji Experiment Station 13 km. west of Ajmer. Plant vigorous.

271583. *LESPEDEZA* sp. Fabaceae.

Col. No. 1041. Fifteen km. north of Udhampur. Low, spreading perennial.

## 271522 to 271642—Continued

271584. *LESPEDEZA* sp.  
Col. No. 1065. Twenty-five km. up Lolab valley.
271585. *LINUM USITATISSIMUM* L. Linaceae. **Flax.**  
Col. No. 1254. 'Alsee'. Kulu bazaar.
- 271586 to 271588. *ORYZOPSIS AEQUIGLUMIS* Duthie Poaceae.  
271586. Col. No. 1046. Gulmarg. Bunchgrass to one meter high; said to be poisonous.  
271587. Col. No. 1077. Seventeen km. south of Pahlgam. Bunchgrass to one meter high.  
271588. Col. No. 1215. One hundred meters up hillside from Mandi. Elevation 1,960 meters.
- 271589 and 271590. *PANICUM ANTIDOTALE* Retz. Poaceae.  
271589. Col. No. 1037. Seven km. south of Pathankot.  
271590. Col. No. 1108. Fields and wastelands near timbered country, 10 km. from Pathankot, towards Dalhousie. Plant to 2.5 meters high.
271591. *PANICUM MILIARE* Lam.  
Col. No. 1340. Sandy wash, 48 km. from Jodhpur, Pali road. Plants in large bunches, well cropped.
271592. *PASPALUM DILATATUM* Poir. Poaceae. **Dallisgrass.**  
Col. No. 1201. Steep, wooded, hill country, high rainfall area, near Jogindarnagar. Sprawling bunchgrass to one meter high.
- 271593 and 271594. *CENCHRUS CILIARIS* L. Poaceae.  
271593. Col. No. 1093. North side of pass, 18 km. north of Kud. Bunchgrass to one meter high.  
271594. Col. No. 1123. Edge of cornfield and terrace wall, eight km. from Dalhousie. Bunchgrass to one meter high.
- 271595 and 271596. *PENNISETUM ORIENTALE* (L.) Rich.  
271595. Col. No. 1271. Steep wooded hills, high rainfall area, 28 km. from Kalka, Simla Kalka road. Bunchgrass to 12 dm. high; spikes long, purple to straw colored.  
271596. Col. No. 1274. Steep wooded hills, 20 km. from Kalka, Simla road to Nahan. Plants to one meter high; heads red or yellow.
- 271597 to 271600. *PENNISETUM SPICATUM* (L.) Willd. **Pearl millet.**  
271597. Col. No. 1320. Flat plains farm, 75 km. east of Ajmer.  
271598. Col. No. 1336. Dry roadside, 65 km. from Jodhpur, Pali road.  
271599. Col. No. 1381. Jodhpur.  
271600. Col. No. 1385. Jodhpur.
271601. *PENNISETUM FLACCIDUM* Griseb.  
Col. No. 1045. Gulmarg, 37 km. southwest of Srinagar. Bunchgrass; spikes long, purple.
271602. *PENNISETUM* cf. *MACROURUM* Trin.  
Col. No. 1075. Seventeen km. south of Pahlgam. Warm season bunchgrass to one meter high.
271603. *PENNISETUM* sp.  
Col. No. 1124. Edge of cornfield and terrace wall, eight km. from Dalhousie.

**271522 to 271642—Continued**

**271604.** *POLYTOCA* sp. Poaceae.

Col. No. 1111. Wooded foothills, high rainfall area, 55 km. below Dalhousie.

**271605.** *RICINUS COMMUNIS* L. Euphorbiaceae.

Castorbean.

Col. No. 1298. Roadside, 37 km. from Nahan. Perennial to six meters high.

**271606 and 271607.** *SACCHARUM SPONTANEUM* L. Poaceae.

**271606.** Col. No. 1030. Eighteen km. south of Jullundur. Bunchgrass to three meters high; plumes silky.

**271607.** Col. No. 1139. River bottom, 15 km. from Pathankot, towards Kangra.

**271608 and 271609.** *SETARIA ITALICA* (L.) Beauv. Poaceae. Foxtail millet.

**271608.** Col. No. 1125. Edge of cornfield, eight km. from Dalhousie.

**271609.** Col. No. 1210. Five km. below Mandi. Elevation 1,800 meters.

**271610 and 271611.** *SETARIA SPHACELATA* (Schum.) Stapf & Hubbard ex M. B. Moss

**271610.** Col. No. 1044. Thirty-seven km. southwest of Srinagar. Used as hay.

**271611.** Col. No. 1239. Just above Pachlan.

**271612 to 271614.** *SORGHUM HALEPENSE* (L.) Pers. Poaceae.

Johnsongrass.

**271612.** Col. No. 1107. Fields and wastelands near timbered country, 10 km. from Pathankot, towards Dalhousie.

**271613.** Col. No. 1129. Edge of cornfield and terrace, three km. below Dalhousie. Leafy type.

**271614.** Col. No. 1316. Three km. south of Jaipur.

**271615 and 271616.** *SORGHUM MILIACEUM* (Roxb.) Snowden

**271615.** Col. No. 1207. Edge of cornfield, 10 km. north of Mandi. Plants to three meters high; panicles large.

**271616.** Col. No. 1299. Roadside, 37 km. from Nahan. Perennial; panicles long.

**271617 to 271622.** *SORGHUM BICOLOR* (L.) Boench.

**271617.** Col. No. 1309. Edge of field that had been inundated for two months, 115 km. north of Alwar, 74 km. southwest of New Delhi.

**271618.** Col. No. 1382. Jodhpur.

**271619.** Col. No. 1393. Field near Ajmer. Glumes brown; seed inclosed, possibly prevents bird damage; panicles open.

**271620 to 271622.** From Rockefeller Foundation Collection, Ajmer. Witchweed resistant.

**271620.** Col. No. 1402. No. L.B. 520/I.S. 2273.

**271621.** Col. No. 1403. No. L.B. 543/I.S. 2402 Q2/7/81.

**271622.** Col. No. 1404. No. L.B. 542/I.S. 2401 Q2/7/80.

**271623.** *SORGHUM* sp.

Col. No. 1036. Seven km. south of Pathankot. Bunchgrass to 3.5 meters high.

**271624.** *SORGHUM* (hybrid).

Col. No. 1394. Experiment Station, Kota. Plant to four meters high; panicles large, open.



**271522 to 271642—Continued**

271625 to 271627. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.

271625. Col. No. 1062. Watlab.

271626. Col. No. 1064. Twenty-five km. up Lolab valley. Plants poor.

271627. Col. No. 1214. Mandi orchard. Elevation 1,870 meters.

271628. *TRIFOLIUM REPENS* L. Whiteclover.

Col. No. 1218. Corn and amaranth field, edge of fir-spruce forest 200 meters up hillside from Mandi. Elevation 2,000 meters.

271629 to 271632. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

271629. Col. No. 1152. Palanpur bazaar.

271630. Col. No. 1158. Palanpur bazaar.

271631. Col. No. 1178. Palanpur bazaar.

271632. Col. No. 1279. Sarahan bazaar.

271633. *VETIVERIA ZIZANIOIDES* (L.) Nash Poaceae.

Col. No. 1027. Eighteen km. north of Karmola. Bunchgrass to two meters high.

271634. *VICIA FABA* L. Fabaceae. Broadbean.

Col. No. 1192. Palanpur bazaar.

271635 and 271636. *VIGNA SINENSIS* (Torner) Savi Fabaceae. Cowpea.

271635. Col. No. 1175. Palanpur bazaar.

271636. Col. No. 1296. Sarahan bazaar.

271637 to 271642. *ZEA MAYS* L. Poaceae. Corn.

271637. Col. No. 1064A. Twenty-five km. up Lolab valley. Flint type.

271638. Col. No. 1080. Nine km. above Pahlgam. Elevation 2,700 meters. Cob small, conical; seeds white and yellow, flint type.

271639. Col. No. 1081. Nine km. above Pahlgam. Elevation 2,700 meters. Cob small, conical; seeds purple and yellow.

271640. Col. No. 1127. Edge of cornfield and terrace wall, eight km. from Dalhousie. Ear long, stout, conical; seed mostly white, flint type.

271641. Col. No. 1278. Sarahan bazaar.

271642. Col. No. 1280. Sarahan bazaar.

271643 to 271645. *VITIS VINIFERA* L. Vitaceae. European grape.

From Italy. Cuttings presented by the Instituto di Frutticoltura, Rome. Received Feb. 6, 1961.

271643. 'Delizia di Vaprio IP. 46 A'.

271644. 'Diamente Nero IP. 87'.

271645. 'Maria Pirovano IP. 165'.

**271646 to 271648.**

From Japan. Seeds presented by the Aritaki Arboretum, Koshigaya-Machi, Saitama-Ken. Received Feb. 7, 1961.

271646. *CLEMATIS ALPINA* var. *OCHOTENSIS* (Pall.) O. Kuntze Ranunculaceae.

271647. *CLEMATIS FUSCA* Turcz.

271648. *CLEMATIS MAXIMOWICZIANA* Franch. et Savat.

**271649 to 271652. HIBISCUS SYRIACUS L. Malvaceae.****Shrub-althea.**

From France. Plants purchased from F. Delaunay, Angers. Received Feb. 7, 1961.

271649. 'Albus Plenus'.

271651. 'Comte de Hainaut'.

271650. 'Carneus Plenus'.

271652. 'Grandiflorus Superbus'.

**271653 to 271657.**

From Great Britain. Plants purchased from the Richmond Nurseries, Windlesham, Surrey, England. Received Feb. 8, 1961.

271653 and 271654. SKIMMIA JAPONICA Thunb. Rutaceae.

**Japanese skimmia.**

271653. 'Fragrans'.

271654. 'Oblata'.

271655. SKIMMIA JAPONICA var. VEITCHII (Carr.) Rehder.

271656. SKIMMIA REEVESIANA Fortune.

271657. VIBURNUM (hybrid). Caprifoliaceae.

'Anne Russell'.

**271658. PYRUS COMMUNIS L. Malaceae.**

From Great Britain. Budsticks presented by the East Malling Research Station, East Malling, Kent, England. Received Feb. 9, 1961.

'Comice B363'. Virus free.

**271659 to 271662. VITIS VINIFERA L. Vitaceae.****European grape.**

From Germany. Cuttings presented by the Institut für Rebenzüchtung und Rebenveredlung der Hess. Obst- und Gartenbau, Geisenheim. Received Feb. 9, 1961.

271659. 'Rupestris G.9'.

271660. 'Rupestris H.G. 9'.

271661. 'Rupestris de Lot'.

271662. 'Rupestris Tiefenbach'.

**271663 to 271665. VITIS VINIFERA L. Vitaceae.****European grape.**

From Yugoslavia. Cuttings presented by the United States Operations Mission, Belgrade. Received Feb. 9, 1961.

271663. 'Bajan Sirej'.

271664. 'Nimrang'.

271665. 'Saperavi'.

**271666 to 271668.**

From Mexico. Seeds presented by the Syntex Corp., Mexico City. Collected in 1959 and 1960. Received Feb. 10, 1961.

271666. DIOSCOREA COMPOSITA Hmsl. Dioscoreaceae.

271667. DIOSCOREA FLORIBUNDA Mart. & Gal.

'Mart Et Gal'.

271668. DIOSCOREA SPICULIFLORA Hmsl.

'Chiapasana Gomez Pompa'.

**271669. AGAPANTHUS sp. Liliaceae.**

From the Union of South Africa. Plants collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 10, 1961.

Col. No. 19157. Pretoria.

**271670 and 271671.**

From Kenya. Seeds presented by the Grassland Research Station, Kitale.  
Received Feb. 10, 1961.

271670. *TRIFOLIUM POLYSTACHYUM* Fres. Fabaceae.

No. K 561. Occurs on swampy ground.

271671. *DESMODIUM INTORTUM* (Mill.) Urb. Fabaceae.

K-53384.

**271672. ORYZA SATIVA L. Poaceae.****Rice.**

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received Feb. 10, 1961.

'Taichung No. 1'.

**271673 to 271680.**

From Great Britain. Plants purchased from Toynbee's Nurseries, Barnham, Sussex, England. Received Feb. 10, 1961.

271673 to 271676. *CEANOTHUS* (hybrids). Rhamnaceae.

271673. 'A.T. Johnson'.

271674. 'Autumnal Blue'.

271675. 'Indigo'.

271676. 'Russellianus'.

271677. *CEANOTHUS IMPRESSUS* Trelease

271678. *HIBISCUS* (hybrid). Malvaceae.

'Croftway'.

271679. *HIBISCUS* sp.

271680. *PYRACANTHA* (hybrid). Malaceae.

'Knaphill Lemon'.

**271681 to 271698.**

From Great Britain. Plants purchased from Hillier & Sons, Winchester, England. Received Feb. 10, 1961.

271681. *CAMELLIA* (hybrid). Theaceae.

'Winton'. Received as 'Cornish Snow Winton'.

271682. *CAMELLIA TALIENSIS* (W.W.Sm.) Melch.

271683. *CAMELLIA TSAI* Hu.

271684 and 271685. *CAMELLIA* × *WILLIAMSII* W. W. Smith

271684. 'Hiraethlyn'.

271685. 'St. Ewe'.

271686 and 271687. *CARYOPTERIS* (hybrids). Verbenaceae.

271686. 'Ferndown'.

271687. 'Heavenly Blue'.

271688. *CARYOPTERIS* × *CLANDONENSIS* A. Simmonds

271689. *CARYOPTERIS INCANA* (Thunb.) Miquel **Common bluebeard.**

271690. *CLEMATIS COLENSOI* Hook. f. Ranunculaceae.

271691. *CLEMATIS GENTIANOIDES* DC.

271692. *CLEMATIS HENRYII* Hort.

271693. *CLEMATIS INDIVISA* var. *LOBATA* Hook.



**271681 to 271698—Continued**

271694. *CLEMATIS MEYENIANA* Walpers  
 271695. *CLEMATIS UNCINATA* Champ.  
 271696. *CLEMATIS* × *VEDRARIENSIS* Vilmorin  
 271697. *LEUCOTHOE DAVISIAE* Torrey Ericaceae.  
 271698. *SKIMMIA* × *FOREMANII* var. *ROGERSII* (Masters) Rehder Rutaceae.  
 'Nana'.

**271699 and 271700.**

From Ecuador. Seeds collected by E. P. Imle, American Cocoa Research Institute, Washington, D.C. Received Feb. 10, 1961.

271699. *CARICA CHRYSOPETALA* Heilborn Caricaceae.

Col. No. 115. 'Chamburo'. Quito garden. Elevation 9,500 feet. Leaves dentate; stems many branched; fruits five ribbed, seven inches long, fragrant; pulp around seeds edible. Has some frost tolerance.

271700. *PASSIFLORA TRIPARTITA* (Juss.) Poir. Passifloraceae.

Col. No. 117. 'Taxo'. Quito market. Fruit thin skinned, to four inches long; pale green to creamy white, watermelon shaped. Pulp around seed is orange colored.

**271701 to 271720. CORYLUS AVELLANA L. Betulaceae. Filbert.**

From Yugoslavia. Cuttings presented by the Institut za Vocarstvo, Cacak. Received Feb. 15, 1961.

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|---------------------------------|-----------------------------------|
| 271701. 'Apolo Stupnik'.        | 271711. 'Ivesov Duguljasti'.      |
| 271702. 'Blumberger'.           | 271712. 'Kralj Princeza'.         |
| 271703. 'Bolob'.                | 271713. 'Ludolf'.                 |
| 271704. 'Bolbiler'.             | 271714. 'Mogul'.                  |
| 271705. 'Comune'.               | 271715. 'Multiflorum'.            |
| 271706. 'Con Frutto Grosso'.    | 271716. 'Prugasti'.               |
| 271707. 'Con Pericarpo Bianco'. | 271717. 'Sadlinger'.              |
| 271708. 'Fihrtverder'.          | 271718. 'Svetogorski Duguljasti'. |
| 271709. 'Francuski'.            | 271719. 'Snitov Lambert'.         |
| 271710. 'Heleski Orijaska'.     | 271720. 'Tankoljaskasti'.         |

**271721 to 271729. SACCHARUM (hybrids.) Poaceae.**

**Sugarcane.**

From Indonesia. Cuttings presented by the Balai Penyelidikan Perusahaan Gula, Pasuruan. Received Feb. 15, 1961.

- |                   |                   |
|-------------------|-------------------|
| 271721. 3086 POJ. | 271726. 3139 POJ. |
| 271722. 3101 POJ. | 271727. 3140 POJ. |
| 271723. 3126 POJ. | 271728. 3141 POJ. |
| 271724. 3137 POJ. | 271729. 3142 POJ. |
| 271725. 3138 POJ. |                   |

**271730. AGAPANTHUS sp. Liliaceae.**

From the Union of South Africa. Plants collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 15, 1961.

Col. No. 19122. Moist rocky slope, Garcia Pass, Riverdale District, C.P. Elevation 2,000 feet. Flowers dark purple, growing in dense clusters.

**271731 to 271745. SACCHARUM (hybrids). Poaceae.****Sugarcane.**

From the United States. Experiment Station, Hawaii Sugar Planters' Association, Honolulu, Hawaii. Received Feb. 15, 1961.

271731. H. 59-9936.	271739. H. 59-9966.
271732. H. 59-9957.	271740. H. 59-9968.
271733. H. 59-9959.	271741. H. 59-9969.
271734. H. 59-9960.	271742. H. 59-9974.
271735. H. 59-9961.	271743. H. 59-9983.
271736. H. 59-9962.	271744. H. 59-9984.
271737. H. 59-9963.	271745. H. 59-9986.
271738. H. 59-9965.	

**271746. FERRARIA sp. Iridaceae.**

From the Union of South Africa. Roots collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 15, 1961.

Col. No. 18628. Picketburg Mountain, Cape Province. Collected Oct. 10, 1960. Perennial herb to 10 inches high; corolla fimbriate.

**271747 to 271749. CITRULLUS LANATUS (Thunb.) Mansf.****Cucurbitaceae.****Watermelon.**

From Afghanistan. Seeds collected by the United States Operations Mission, Lashkar Gah. Received Feb. 16, 1961.

271747. No. 1. Melon striped, round, weighing about 20 pounds; flesh fairly firm and full.
271748. No. 2. Melon dark green, nearly round, weighing about 20 pounds.
271749. No. 3. Melon gray colored, similar to 'Charleston Gray', nearly round; weighing about 20 pounds.

**271750 to 271752. CITRULLUS LANATUS (Thunb.) Mansf.****Cucurbitaceae.****Watermelon.**

From Ghana. Seeds presented by the United States Operations Mission, Accra. Received Feb. 16, 1961.

271750. No. 1. From Zuarungu, north Ghana.
271751. No. 2. From Zuarungu, north Ghana.
271752. No. 3. Melon dark and light green, oval and elongated. From Aburi and Akotoky, cape coast.

**271753 and 271754. CUCUMIS SATIVUS L. Cucurbitaceae.****Cucumber.**

From the Netherlands. Seeds presented by the Plant Breeding Institute, Wageningen. Received Feb. 16, 1961.

271753. 'Baarlose Nietplekkers, Ras Tercken VII'. Pickling cucumber. Fruits green to pale green, long, slender, straight, with fine black hairs. Very susceptible to mosaic. Resistant to scab races 6 and 7.
271754. 'Guntruud'. Dark green pickling cucumber. Cross between 'Tokyo Long Green' and 'Baarlose Nietplekker'. Plant vigorous, later than 'Baarlose Nietplekker'; fruit similar but broader and more distinctly furrowed at stem end; surface somewhat warty and fine haired. Resistant to scab and highly resistant to mosaic.

**271755 to 271757. CUCUMIS MELO L. Cucurbitaceae.****Muskmelon.**

From Spain. Seeds presented by the United States Embassy, Madrid. Received Feb. 16, 1961.

271755. 'Amarillo'.

271756. 'Tendral'.

271757. 'Villaconejos'.

**271758. CITRUS sp. Rutaceae.**

From Israel. Seeds presented by the Agricultural Research Station, Beit Dagan, Rehovot. Received Feb. 16, 1961.

'Ovali'.

**271759 to 271765. SECHIU M EDULE (Jacq.) Sw. Cucurbitaceae.****Chayote.**

From Costa Rica. Fruits presented by the Facultad de Agronomia, University of Costa Rica, San Jose. Received Feb. 17, 1961.

271759. No. 1.

271763. No. 5.

271760. No. 2.

271764. No. 6.

271761. No. 3.

271765. No. 7.

271762. No. 4.

**271766 to 271781.**

From the Union of South Africa. Seeds presented by the Division of Horticulture, Department of Agriculture, Pretoria. Received Feb. 17, 1961.

**271766 to 271779. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae.****Watermelon.**

271766. P.H.R.S. No. 12.

271767. P.H.R.S. No. 13. 'Tsamnia'.

271768. P.H.R.S. No. 14. 'Karkaer'.

271769. P.H.R.S. No. 15. 'Karkaer'.

271770. P.H.R.S. No. 16.

271771. P.H.R.S. No. 17.

271772. P.H.R.S. No. 18. Fruit bitter.

271773. P.H.R.S. No. 19.

271774. No. 4. Plant in wild; fruit bitter. Collected 1959, near Kimberly.

271775. No. 82257. 'Kaffir'. Grown for making jam by canning factories.

271776. No. W4-3. Pretoria Horticultural Research Station.

271777. No. W4-4. Pretoria Horticultural Research Station.

271778. No. 13. Hybrid melon from Nelspruit.

271779. No. 14. Hybrid melon from Nelspruit.

**271780 and 271781. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**

271780. 'Homestead'.

271781. 'Red Kahki'.

**271782. ALLAMANDA CATHARTICA L. Apocynaceae.**

From Great Britain. Sicons presented by the Royal Botanic Garden, Kew, England. Received Feb. 17, 1961.

'Grandiflora'.



**271783 to 271800.**

From Great Britain. Plants purchased from the Toldsworth Nursery, Woking, Surrey, England. Received Feb. 17, 1961.

271783. *ANDROMEDA* (hybrid). Ericaceae.

'Wakehurst Form'.

271784. *ANDROMEDA POLIFOLIA* L.

271785. *ANDROMEDA* sp. (Willd.) Pollard.

271786. *CERCIS SILIQUASTRUM* L. Caesalpiniaceae.

Judas-tree.

'Rubrum'.

271787 and 271788. *CORNUS ALBA* L. Cornaceae.

Tatarian dogwood.

271787. 'Elegantissima'.

271788. 'Spaethii Aurea'.

271789. *CORNUS ALBA* var. *SIBERICA* Loddiges ex Loudon

'Argentea Variegata'.

271790 and 271791. *EMBOTHRUM COCCINEUM* Forst. Proteaceae. Notro.

271790. No data.

271791. 'Lanceolatum'.

271792 to 271794. *MAGNOLIA CAMPBELLII* Hook. f. & Thoms. Magnoliaceae.

271792. Pink.

271793. Red.

271794. White.

271795. *MAGNOLIA DENUDATA* Desr.

Yulan.

'Picture'.

271796. *MAGNOLIA SIEBOLDII* K. Koch

Oyama magnolia.

271797. *MAGNOLIA SINENSIS* (Rehd. & Wils.) Stapf

271798 to 271800. *SKIMMIA JAPONICA* Thunb. Rutaceae.

Japanese skimmia.

271798. No data.

271799. 'Fisheri'.

271800. 'Wisley Red'.

**271801 to 271808.**

From Great Britain. Plants purchased from Hillier & Sons, Winchester, England. Received Feb. 20, 1961.

271801. *CERCIS RACEMOSA* Oliver Caesalpiniaceae.

271802 to 271804. *HIBISCUS SINOSYRIACUS* L. H. Bailey Malvaceae.

271802. A.

271803. B.

271804. C.

271805. *PIERIS FLORIBUNDA* (Pursh.) Benth. & Hook. f. Ericaceae.

271806. *PIERIS FORRESTII* Harrow ex W. W. Smith

'Jermyns'.

271807. *VIBURNUM GRANDIFLORUM* Wall. Caprifoliaceae.

271808. *VIBURNUM* × *BURKWOODII* Burkw. & Skipw.

'Park Farm Hybrid'.

**271809 and 271810. PRUNUS ARMENIACA L. Amygdalaceae. Apricot.**

From Switzerland. Cuttings presented by the Sous-Station Federale d'Essais Agricoles, Chateauneuf par Pont-de-la-Morge, Sion, Valais. Received Feb. 21, 1961.

271809. 'Luizet'.

271810. 'Poviot'.

**271811. SACCHARUM (hybrid). Poaceae. Sugarcane.**

From Mexico. Cuttings presented by the Instituto para el Mejoramiento de la Produccion de Azucar, Balderas. Received Feb. 21, 1961.

C.P. 33-229  $\times$  C.P. 33-224. MEX. 52-56.

**271812 to 271826. SACCHARUM (hybrids). Poaceae. Sugarcane.**

From the United States. Cuttings presented by the Experimental Hawaiian Sugar Planters Association, Honolulu, Hawaii. Received Feb. 23, 1961.

271812. H. 58-9801. 271820. H. 59-9988.

271813. H. 58-9803. 271821. H. 59-9989.

271814. H. 58-9806. 271822. H. 59-9990.

271815. H. 58-9807. 271823. H. 59-9991.

271816. H. 58-9814. 271824. H. 59-9993.

271817. H. 58-9816. 271825. H. 59-9994.

271818. H. 58-9817. 271826. H. 59-9995.

271819. H. 59-9987.

**271827 to 271830.**

From the Union of South Africa. Bulbs presented by the Division of Horticulture, Department of Agriculture, Pretoria. Received Feb. 23, 1961.

271827. GLADIOLUS CARDINALIS Curtis Iridaceae.

271828. GLADIOLUS ELLIOTI Baker

271829. GLADIOLUS PERMEABILIS Delar.

271830. GLADIOLUS TRISTIS L.

**271831. MALUS YUNNANENSIS (Franch.) Schneid. Malaceae.**  
From Germany. Scions presented by W. Kordes Sohne, Rechnung. Received Feb. 23, 1961.

'Vilmorin'.

**271832 to 271835.**

From the Union of South Africa. Bulbs collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 23, 1961.

271832. WATSONIA sp. Iridaceae.

Col. No. 18856. Five miles southeast of Buffeljagt, Bredasdorp District, Cape Province. Elevation 500 feet. Tuberous herb to 40 cm. high with raceme of bright red flowers.

271833. WATSONIA sp.

Col. No. 18892. Near Kruisvalle, Knysna District, Cape Province. Elevation 3,000 feet. An old brush burn colony with variable colors, mostly pink tube and white limb.

**271832 to 271835—Continued****271834. WATSONIA sp.**

Col. No. 18895. Twenty miles west of Humansdorp, Cape Province. Vigorous clone with large bright orange flowers.

**271835. WATSONIA sp.**

Col. No. 19131. Karreedouw Pass, Humansdorp District, Cape Province. Elevation 1,000 feet. Rare white-flowered form from vigorous rosettes on stout, long, flowering spikes.

**271836 to 271838.**

From Switzerland. Plants purchased from Herman Zulauf, Schinznach-Dorf. Received Feb. 27, 1961.

**271836. CORNUS ALBA L. Cornaceae.****Tatarian dogwood.****'Spaethii'.****271837. HIBISCUS (hybrid). Malvaceae.****'Zulauf'.****271838. PYRACANTHA (hybrid). Malaceae.****'Bad Zwischenahn'.****271839 to 271860. SACCHARUM (hybrids). Poaceae.****Sugarcane.**

From Fiji. Cuttings presented by the Colonial Sugar Refining Company Limited, Lautoka. Received Feb. 27, 1961.

**271839. 'FIJI 12'.****271850. 'FIJI 49'.****271840. 'FIJI 15'.****271851. 'FIJI 50'.****271841. 'FIJI 16'.****271852. 'FIJI 51'.****271842. 'FIJI 22'.****271853. 'FIJI 53'.****271843. 'FIJI 31'.****271854. 'FIJI 55'.****271844. 'FIJI 36'.****271855. 'FIJI 56'.****271845. 'FIJI 27'.****271856. 'FIJI 57'.****271846. 'FIJI 41'.****271857. 'FIJI 58'.****271847. 'FIJI 45'.****271858. 'FIJI 60'.****271848. 'FIJI 46'.****271859. 'FIJI 61'.****271849. 'FIJI 48'.****271860. 'FIJI 62'.****271861. RICINUS COMMUNIS L. Euphorbiaceae.****Castorbean.**

From Ecuador. Seeds collected by E. P. Imle, collaborator, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 27, 1961.

At equator, 350 feet from LaCondamine Monument, Quito. Elevation 7,600 feet. Plant old, large, shows much red pigmentation.

**271862. CLEMATIS GENTIANOIDES DC. Ranunculaceae.**

From Australia. Seeds presented by the Tasmanian Regional Laboratory, Hobart, Tasmania. Received Feb. 27, 1961.

Collected on Mt. Nelson.

**271863. ANAPALINA sp. Iridaceae.**

From the Union of South Africa. Corms collected by A. S. Barclay, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md.

Col. No. 938. Plettenberg Bay-Uniondale road, northwest of the bay. Perennial herb; corms covered with fibrous twine; flowers reddish.



**271864 to 271866.**

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Ames, Iowa. Numbered Feb. 27, 1961.

271864. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

Separate from P.I. 251194. Originally from Durmitor, Montenegro.

271865. *TRIFOLIUM REPENS* L. **Whiteclover.**

Separate from P.I. 204524. Originally from Kurbagali, Turkey.

271866. *TRIFOLIUM REPENS* L. **Whiteclover.**

Separate from P.I. 251852. Originally from Florence, Italy.

**271867 to 271869. VITIS (hybrids). Vitaceae.**

From Germany. Cuttings presented by the Forschungs-Institut für Rebenzucht Ceilweilerhof, Sieboldingen. Received Feb. 28, 1961.

271867. F.S. 4-195-39. 'Dr. Decker-Rebe'.

271868. F.S. 4-201-39. Fan leaf.

271869. F.S. 4-201-39.

**271870 to 271881.**

From Japan. Seeds presented by the Botanical Garden of Osaka City University, Osaka. Received Feb. 28, 1961.

271870. *ACER ARGUTUM* Maxim. Aceraceae.

271871. *ACER CARPINIFOLIUM* Sieb. & Zucc. **Hornbeam maple.**

271872. *ACER CRATAEGIFOLIUM* Sieb. & Zucc.

271873. *ACER MONO* Maxim.

271874. *CAMELLIA OLEIFERA* Abel. Theaceae.

271875. *CLEYERA JAPONICA* Thunb. Theaceae.

271876. *HOVENIA DULCIS* Thunb. Rhamnaceae. **Raisin tree.**

271877. *LAGERSTROEMIA AMABILIS* Makino Lythraceae.

271878. *LAGERSTROEMIA SUBCOSTATA* Koehne

271879. *STEWARTIA MONADELPHA* Sieb. & Zucc. Theaceae.

271880. *TERNSTROEMIA GYMNANTHERA* (Wight & Arn.) Sprague Theaceae.

271881. *VITEX ROTUNDIFOLIA* Linn. f. Verbenaceae.

**271882 and 271883. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.**

From Mexico. Seeds presented by the Municipio of Chalchihuitan, Chiapas. Received Feb. 28, 1961.

271882. No. 1.

271883. No. 2.

**271884. ROGERIA ADENOPHYLLA J. Gay Pedaliaceae.**

From Nigeria. Seeds presented by the Federal Agricultural Research Station, Norro Plantation, Ibadan. Received Feb. 28, 1961.

**271885 to 271892. ORYZA SATIVA L. Poaceae. Rice.**

From Hungary. Seeds presented by the Institut National d'Agrobotanique, Tapioszele. Received Feb. 28, 1961.

271885. 'Kaka Gyongye'.

271887. 'Kakai 272/54'.

271886. 'Kakai 26'.

271888. 'Kakai Korai'.

**271885 to 271892—Continued**

271889. 'Szaniszlo 1'.

271891. 'Szelenyi 1742'.

271890. 'Szaniszlo 2'.

271892. 'Varsanyhelyi'.

**271893. ELYMUS ANGUSTUS Trin. Poaceae.**

From Canada. Seeds presented by the Canadian Department of Agriculture, Swift Current, Saskatchewan. Received Feb. 28, 1961.

'Altai'.

**271894 to 271898. TRITICUM DURUM Desf. Poaceae.****Durum wheat.**

From Italy. Seeds presented by the Laboratorio Genetica Vegetale, Rome. Received Feb. 28, 1961.

271894. 'Azizia'. Plants moderately tall, early, moderately good yielder, spring habit, low rust resistance; kernels small, good quality.

271895. 'Capeiti'. Plants moderately tall, early, spring habit, high yielding, moderately rust resistant; straw strong; kernel small, low quality.

271896. 'Cappelli'. Plants tall, late, semi-spring habit, low yielding, moderately rust resistant; straw moderately strong; kernel large, high quality.

271897. 'Etrusco'. Plants tall, late, semi-winter habit; kernel very large.

271898. 'Grifoni'. Plants moderately tall, early, spring habit, high yielding, susceptible to cold, low rust resistance; kernel medium size, low quality.

**271899. OLEARIA OLEIFOLIA T. Kirk. Asteraceae.**

From Great Britain. Plant presented by Stewarts Nurseries, Ferndown, Dorset, England. Received Feb. 28, 1961.

**271900 to 271908.**

From France. Plants purchased from Pepinieres R. Travers, Saint-Jean-le-Blac, Orleans. Received Feb. 28, 1961.

**271900 to 271906. CLEMATIS (hybrids). Ranunculaceae.**

271900. 'Bagatelle'.

271904. 'Ville de Paris'.

271901. 'Lord Gifford'.

271905. 'Xerces'.

271902. 'Mme. Von Houtte'.

271906. 'Yvette Houry'.

271903. 'Ville de Limoges'.

271907. CLEMATIS × JACKMANII Th. Moore

Jackman clematis.

'Alba'.

271908. CLEMATIS VITICELLA L.

Italian clematis.

'Coerulea'.

**271909 to 271931. CORYLUS AVELLANA L. Betulaceae. Filbert.**

From Yugoslavia. Budsticks presented by the Univerza v Ljubljani Fakulteta za Agronomijo, Gozdarstvo in Veterinarstvo, Ljubljana, Krekov trg 1. Received Feb. 28, 1961.

271909. 'A Guscico Tenerd'.

271914. 'Daviana'.

271910. 'Afrutto Grosso'.

271915. 'Di Barcelona'.

271911. 'Apolda'.

271916. 'Di Heynich'.

271912. 'Bandnus'.

271917. 'Du Bearn'.

271913. 'Cosford a Guscio Tenero'

271918. 'Englische Zellernus'.

**271909 to 271931—Continued**

- |                                       |                                     |
|---------------------------------------|-------------------------------------|
| 271920. 'Gentile Di Viterbo'.         | 271926. 'Novi Debeloplodni'.        |
| 271919. 'Fruhe Nottingham'.           | 271927. 'Romusche Zellernus'.       |
| 271921. 'Hallesche Riesennus'.        | 271928. 'Rotblattrige Lambertsnus'. |
| 271922. 'Kaiser Hasel von Trapezunt'. | 271929. 'Rotfrichtinge Zellernus'.  |
| 271923. 'Lamberts Filbert'.           | 271930. 'Webbs Preisnus'.           |
| 271924. 'Lange Zellernus'.            | 271931. 'Wunder aus Bollweiler'.    |
| 271925. 'Minnas Zellernus'.           |                                     |

**271932 to 271934.**

From the Union of South Africa. Seeds presented by the United States Embassy, Pretoria. Received March 2, 1961.

271932. *GLADIOLUS ELLIOTII* Baker Iridaceae.  
 271933. *GLADIOLUS LEICHTLINII* Baker  
 271934. *GLADIOLUS MELLERI* Baker

**271935. CLEMATIS ARISTATA R.Br. Ranunculaceae.**

From Australia. Seeds presented by the Tasmanian Regional Laboratory, Hobart, Tasmania. Received March 2, 1961.

**271936. PISUM ELATIUS Bieb. Fabaceae. Mediterranean pea.**

From Sweden. Seeds presented by the Plant Breeding Institute, Weibullsholm, Landskrona. Received March 2, 1961.

L 805/5g.

**271937 to 271939.**

From Belgium. Seeds presented by the Ministere de Agriculture, Jardin Botanique de l'Etat, Bruxelles. Received March 2, 1961.

271937. *LACTUCA SATIVA* L. Cichoriaceae.  
 271938. *LACTUCA SERRIOLA* L.  
 271939. *LACTUCA VIROSA* L.

**271940 to 271944.**

From Czechoslovakia. Seeds presented by the Botanicka Zahrada University Karlovy, Praha. Received March 2, 1961.

271940. *LACTUCA PERENNIS* L. Cichoriaceae.  
 271941. *LACTUCA SAGITTATA* Waldst. & Kit.  
 271942 to 271944. *LACTUCA SERRIOLA* L.

271942. No data.  
 271943. Rigio inter oppidie Krielupy.  
 271944. Urlis Praha.

**271945 and 271946.**

From Sweden. Seeds presented by the Hortus Botanicus Universitatis, Uppsala. Received March 2, 1961.

271945. *LACTUCA MURALIS* (L.) Fresen. Cichoriaceae.  
 'Atropurpurea'.  
 271946. *LACTUCA PERENNIS* L.



**271947 to 271971.**

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 2, 1961.

**271947. CASTALIS NUDICAULIS (L.) Norl. Asteraceae.**

Col. No. 18727. Burned-over coarse granitic soil, Dutorts Kloof, 20 miles west of Worcester. Elevation 2,500 feet. Plants erect, stout-stemmed perennial, to 12 inches high, with two to five terminal heads; achenes fairly persistent.

**271948. CASTALIS NUDICAULIS var. GRAMINIFOLIA (L.) Norl.**

Col. No. 18757. Stony conglomerate, four miles northwest of Worcester, Cape Province. Elevation 2,000 feet. Low, spreading perennial to 10 inches high; branches erect.

**271949. CASTALIS sp.**

Col. No. 18858. Limestone hill near sea, Alguhas Point, Bredasdorp District, Cape Province. Straggly perennial with few, long-peduncled, single floral heads.

**271950 to 271954. CHRYSANTHEMOIDES MONILIFERA (L.) Norl. Asteraceae.**

**271950.** Col. No. 18703. Granitic slope near sea, upper Cloofnek road, Cape Town. Spreading, single-stemmed shrub to three feet high; leaves succulent; flowers yellow.

**271951.** Col. No. 18779. Fairy Glen, eight miles northeast of Worcester. Large, leafy, hemispherical shrub; achenes fleshy on drooping peduncles.

**271952.** Col. No. 18842. Roadside in silty bottom soil, eight miles west of Bredasdorp. Shrubs abundant, to six feet high; flowers yellow; immature fruits green, turning yellow to red when ripe.

**271953.** Col. No. 18955. Prince Albert's Pass, Uniondale District, Cape Province. Elevation 3,000 feet. Plant large leafy shrub.

**271954.** Col. No. 18922. 'Angustifolia'. River bank silt, Tarka River, Cookhouse-Cradock Road, Cape Province. Elevation 2,500 feet. Rhizomatous leafy perennial drooping in masses down bank; flowers yellow; fruits green, yellow, red.

**271955 and 271956. DIMORPHOTHECA PLUVIALIS (L.) Moench. Asteraceae.**

**271955.** Col. No. 18772. Kirstenbosch Botanic Gardens, Cape Town. Ornamental annual.

**271956.** Col. No. 18773. Kirstenbosch Botanic Gardens, Cape Town. Ornamental annual.

**271957. DIMORPHOTHECA SINUATA DC. Blue-eyed cape-marigold.**

Col. No. 18771. Kirstenbosch Botanic Gardens, Cape Town. Ornamental annual.

**271958. DIMORPHOTHECA sp.**

Col. No. 18862. Sandy soil above beach, Alguhas Point, Bredasdorp District, Cape Province. Spreading annual with few flower heads.

**271959. OSTEOSPERMUM AMPLECTENS (Harv.) Norl. Asteraceae.**

Col. No. 18770. Kirstenbosch Botanic Gardens, Cape Town. Annual.

**271960. OSTEOSPERMUM CORYMBOSUM L.**

Col. No. 18963. Burned over maqui, Garcia Pass, 11 miles north of Riverdale, Cape Province. Elevation 2,500 feet. Virgate annual to seven feet high; leaves large, imbricated, on long tapering stem, topped with spreading paniculate umbels of yellow flowers.

**271947 to 271971—Continued****271961. OSTEOSPERMUM HAFSTROEMII Norl.**

Col. No. 18857. Among sand and rocks at sea level, below lighthouse, Alguhas Point, Bredasdorp District, Cape Province. Prostrate or decumbent perennial herb; leaves thick, succulent.

**271962. OSTEOSPERMUM HYOSEROIDES (DC.) Norl.**

Col. No. 18769. Kirstenbosch Botanic Gardens, Cape Town. Ornamental annual.

**271963 and 271964. OSTEOSPERMUM IMBRICATUM L.**

**271963.** Col. No. 18935. Two miles east of Coega, Grahamstown road. Elevation 75 feet. Low, spreading, open perennial; branches ericoid, virgate; flower heads small, yellow.

**271964.** Col. No. 19044. Stony ground between Napier and Bredasdorp, Cape Province. Elevation 250 feet. Erect perennial with ericoid habit; flowers yellow; seed scant.

**271965. OSTEOSPERMUM JUNCEUM Berg.**

Col. No. 18950. Prince Alfred's Pass, Uniondale District, Cape Province. Elevation 3,000 feet. Plant semi-woody, to 10 feet high; leaves thick, ovate; peduncles long; flowers racemose, yellow.

**271966. OSTEOSPERMUM MURICATUM E. Mey.**

Col. No. 18916. Valley plain 23 miles west of Queenstown, road to Tarkastad. Elevation 3,700 feet. Polypodial bush to 12 inches high; flowers small, few, yellow.

**271967. OSTEOSPERMUM SCARIOSUM DC.**

Col. No. 18927. Rocky slope, between railroad and highway, Middleton, Somerset, Cape Province. Erect perennial herb to 24 inches high; crown open; flowers yellow; fruit winged, in heads.

**271968 and 271969. OSTEOSPERMUM SPINESCENS Thunb.**

**271968.** Col. No. 18980. Rocky ground, Fairy Glen, Worcester, Cape Province. Elevation 2,000 feet. Spiny, intricately branched, perennial to five feet high; flowers small, yellow.

**271969.** Col. No. 18746. Veld Reserve, Worcester, Cape Province. Shrubby bushlet experimentally cultivated as range browse.

**271970 and 271971. OSTEOSPERMUM SPINOSUM L.**

**271970.** Col. No. 18787. Sandy valley soil, Brand Vlei, eight miles southeast of Worcester, Cape Province. Spiny shrub, intricately branched, to three feet high; flowers small, bright yellow.

**271971.** Col. No. 18792. Eselsjachte, Worcester, Cape Province. Shrub erect; flowers and seeds few.

**271972 to 271980.**

From Japan. Seeds presented by the Department of Agriculture, Ehime University, Matuyama. Received March 2, 1961.

**271972 to 271974. CLEMATIS APIIFOLIA DC. Ranunculaceae.**

From Iyo Province.

**271972.** Collected at Ozu Si, Kitagun.

**271973.** Collected at Hojo Si, Onsen-Gun.

**271974.** Collected at Bisen Mura, Kami-ukena Gun.

**271975. CLEMATIS PIEROTII Miq.**

Collected at Mt. Sasayama Minami-uwa Gun. Elevation 1,000 meters.

**271972 to 271980—Continued**

**271976 and 271977.** *CLEMATIS TOSAENSIS* Makino

271976. Collected at Bisen Mura, Kami-ukena Gun.

271977. Collected at Mt. Myozinyamo, Yanagidani, Kami-ukena Gun.

**271978.** *CLEMATIS APIFOLIA* DC.

Collected at Ozu Si, Kitagun.

**271979.** *CLEMATIS MAXIMOWICZIANA* Fr. & Sav.

Collected at Hojo Si, Onsen Gun.

**271980.** *CLEMATIS MAXIMOWICZIANA* Fr. & Sav.

Collected at Ozu Si, Kitagun.

**271981 to 271988.** *CITRULLUS LANATUS* (Thunb.) Mansf.

Cucurbitaceae.

**Watermelon.**

From Somalia. Seeds presented by the United States International Cooperation Administration, Mogadiscio. Received March 2, 1961.

**271981.** No. 1.

**271982.** No. 2. Fruit sweet; flesh white. Collected at Mogadiscio.

**271983.** No. 3. Sweet Italian variety; flesh white. Collected near Mogadiscio.

**271984 to 271988.** Collected at Villabruzzi.

**271984.** 'Campo Arviazioni No. 1'.

**271985.** 'Campo Arviazioni No. 2'.

**271986.** 'Care Hamau'.

**271987.** 'Galca Moico No. 1'.

**271988.** 'Galca Moico No. 2'.

**271989 to 271993.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received March 2, 1961.

**271989.** *NICOTIANA AMPLEXICAULIS* Burbidge Solanaceae.

No. T.S. 111-C. 1068. Carnarvon Range, Queensland.

**271990.** *NICOTIANA CAVICOLA* Burbidge

No. T.S. 202-C. 1069. Meekatharra, Western Australia.

**271991.** *NICOTIANA HESPERIS* Burbidge

No. T.S. 337-C. 1070. Carnarvon, Western Australia.

**271992.** *NICOTIANA SIMULANS* Burbidge

No. T.S. 311-C. 1071. Mundiwindi, Western Australia.

**271993.** *NICOTIANA UMBRATICA* Burbidge

No. T.S. 301-C. 1072. Woodstock, Western Australia.

**271994 to 272007.** *PHASEOLUS VULGARIS* L. Fabaceae.

From Spain. Seeds presented by the United States Operations Mission, Madrid. Received March 2, 1961.

**271994.** No. 225. 'Esperanza de Leon'.

**271995.** No. 234. 'Borriol'.

**271996.** No. 236. 'Ramet'.

**271997.** No. 248. 'De Enrame'.



**271994 to 272007—Continued**

271998. No. 257. 'Garrofon'.  
 271999. No. 267. 'Pequenas'.  
 272000. No. 355. 'Troncon'.  
 272001. No. 402. 'De Cuadro'.  
 272002. No. 405-3-50. 'Blanquinas'.  
 272003. No. 430-1-50. 'Blanca de Alcala'.  
 272004. No. 437-5-50. 'Cortas'.  
 272005. No. 446-2-51. 'Blanca de Zaragoza'.  
 272006. No. 453-2-51. 'Barbarruna'.  
 272007. No. 480-3-51. 'Blanca de Almendros'.

**272008 to 272019.**

From Australia. Seeds presented by the Department of Agriculture, Sydney.  
 Received March 3, 1961.

272008. *AESCHYNOMENE FALCATA* (Poir.) DC. Fabaceae.  
 Summer legume, possibly for our Gulf Coast.  
 272009. *CROTALARIA GOREENSIS* Guill. & Perr. Fabaceae.  
 Nontoxic to guinea pigs; effects on cattle unknown.  
 272010. *CROTALARIA LANCEOLATA* E. Mey.  
 Nontoxic to guinea pigs; effects on cattle unknown.  
 272011. *DESMODIUM INTORTUM* (Mill.) Urb. Fabaceae.  
 Summer legume, possibly for our Gulf Coast.  
 272012. *DESMODIUM TORTUOSUM* (Sw.) DC.  
 Summer legume, possibly for our Gulf Coast.  
 272013. *DESMODIUM UNCINATUM* (Jacq.) DC.  
 Summer legume, possibly for our Gulf Coast.  
 272014. *DOLICHOS AXILLARIS* E. Mey. Fabaceae.  
 Summer legume, possibly for our Gulf Coast.  
 272015. *LOTONONSIS BAINESII* Baker Fabaceae.  
 Summer legume, possibly for our Gulf Coast.  
 272016. *PSORALEA BITUMINOSA* L. Fabaceae. Scurf-pea.  
 272017. *TRIFOLIUM SUBTERRANEUM* L. Fabaceae. Subterranean clover.  
 'Clare'. Rust-resistant, early-maturing strain for summer rainfall sub-tropical areas.  
 272018 and 272019. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.  
 272018. 'Steinwedel'.  
 272019. 'Winglen'. Early-maturing winter wheat.  
 (('Kenya' × 'Gular') × 'Winter Minflor') × ('Double Cross' × ('Dundee' × 'Dandee')).

**272020 to 272062.**

From Japan. Seeds purchased from P. H. Kubota, Nikko Tochigi Prefecture. Received March 3, 1961.

272020. *ALNUS CRISPA* (Ait.) Pursh. Betulaceae.  
 'Maximowiczii'.

## 272020 to 272062—Continued

272021. *ALNUS MATSUMURAE* Callier  
272022. *BETULA ERMANNII* var. *SUBCORDATA* Koidz. Betulaceae.  
272023. *BETULA GLORISPICA* Shirai  
272024. *CERCIDIPHYLLUM MAGNIFICUM* Nakai Trochodendraceae.  
272025 to 272029. *CLEMATIS APIIFOLIA* DC. Ranunculaceae.  
272025. Nikko.  
272026. Ehime Prefecture, Shikoku.  
272027. Hananokayama, Kumamoto Prefecture.  
272028. 'Bitermata'. Urami, Nikko.  
272029. 'Bitermata'. Tokorono, Nikko.  
272030. *CLEMATIS FUSCA* Turcz.  
Mt. Taisetsu, Hokkaido.  
272031 and 272032. *CLEMATIS JAPONICA* Thunb.  
272031. Yumoto, Nikko.  
272032. Ogurayama, Nikko.  
272033. *CLEMATIS LASIANDRA* Maxim.  
Mt. Ichibusa.  
272034 to 272037. *CLEMATIS OCHOTENSIS* Poir.  
272034. 'Japonica'. Mt. Kumotori, Saitama Pref.  
272035. 'Japonica'. Mt. Nyoho, Nikko.  
272036. 'Tenuifolia'. Mt. Shirane, Nikko. No. 25.  
272037. 'Tenuifolia'. Mt. Shirane, Nikko. No. 26.  
272038 and 272039. *CLEMATIS PATENS* Morr. & Decne.  
272038. Imaichi, Tochigi Prefecture.  
272039. 'Monstrosa Alba'. Nikko, Tochigi Prefecture.  
272040 to 272042. *CLEMATIS RECTA* L. Ground clematis.  
Received as *C. terniflora* var. *robusta*.  
272040. Kojiki Island.  
272041. Tokorono, Nikko, Tochigi Prefecture.  
272042. Kinugawa, Tochigi Prefecture.  
272043 and 272044. *CLEMATIS STANS* Sieb. & Zucc.  
272043. Nikko, Tochigi Prefecture.  
272044. Foot of Mount Fuji, Shidzuoka Prefecture.  
272045 to 272047. *CLEMATIS TOSAENSIS* Makino  
272045. Chichibu, Saitama Prefecture.  
272046. 'Crenea'. Chuzenji, Nikko. Peduncle short.  
272047. 'Crenea'. Chuzenji, Nikko. Peduncle normal.  
272048 to 272050. *CLEMATIS UNCINATA* Champ.  
272048. 'Ovatifolia'. Kozagawamachi.  
272049. 'Ovatifolia'. Minamata, Kumamoto Prefecture.  
272050. 'Ovatifolia'. Nambumachi, Wakayama Prefecture.

**272020 to 272062—Continued**

272051. CLEMATIS sp.

Mt. Shirane, Nikko.

272052. ILEX GENICULATA Maxim. Aquifoliaceae.

Iwaidemachi, Wakayama Prefecture.

272053. ILEX INTEGRA Thunb.

Katamachi, Wakayama Prefecture.

272054. ILEX ROTUNDA Thunb.

Kozagawamachi.

272055. ILEX SERRATA f. LEUCOCARPA Beissn.

Angyo, Saitama Prefecture.

272056. RHODODENDRON FAURIAE Franch. Ericaceae.

'Normale'. Mt. Nyoho, Nikko.

272057. TILIA JAPONICA (Miquel) Simonk. Tiliaceae. Japanese linden.

Chuzenji, Nikko.

272058. VACCINIUM NIKKOENSE Nakai Vacciniaceae.

Mt. Shirane, Nikko.

272059. VACCINIUM ULIGINOSUM L.

Mt. Shirane, Nikko.

272060. VACCINIUM KOREANUM Nakai

Mt. Shirane, Nikko.

272061. VIBURNUM EROSUM Thunb. Caprifoliaceae.

Yumoto, Nikko.

272062. VIBURNUM URCEOLATUM var. PROCUMBENS Nakai.

Yumoto, Nikko.

**272063. CITRUS sp. Rutaceae.**

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo. Received March 3, 1961.

'Cidra comprida'.

**272064 to 272067. AVERRHOA CARAMBOLA L. Oxalidaceae.****Carambola.**

From China. Cuttings presented by the Chiayi Agricultural Experiment Station, Chiayi, Taiwan. Received March 3, 1961.

272064. 'Dah-Pon'.

272066. 'Pei-Sy-Tao'.

272065. 'Mih-Tao'.

272067. 'Tzan-Ma'.

**272068 to 272074.**

From the Netherlands. Plants purchased from the Vuyk Van Nes Nursery, Boskoop. Received March 6, 1961.

272068 to 272072. QUERCUS PETRAEA (Mattuschka) L. ex Lieblein  
Fagaceae.

272068. No data.

272071. 'Muscaviensis'.

272069. 'Falkburgensis'.

272072. 'Rubicunda'.

272070. 'Giesleri'.

272073 and 272074. QUERCUS ROBUR L.

English oak.

272073. 'Laciniata Maculata'.

272074. 'Cucullata'.



**272075 to 272087.**

From Great Britain. Plants purchased from George Jackman and Son Nurseries, Limited, Woking, Surrey, England. Received March 6, 1961.

272075 to 272079. *CLEMATIS* (hybrids). Ranunculaceae.

272075. 'Ascotiensis'.

272078. 'Miriam Markham'.

272076. 'Beauty of Worcester'.

272079. 'Mrs. George Jackman'.

272077. 'Gravetye Beauty'.

272080. *CLEMATIS ALPINA* (L.) Mill.

'Pamela Jackman'.

272081. *CLEMATIS MONTANA* var. *WILSONII* Sprague

272082. *CLEMATIS VITALBA* L.

Travelers-joy.

272083. *EUCRYPHIA GLUTINOSA* (Poepp. & Endl.) Baillon Eucryphiaceae.

272084. *EUCRYPHIA* × *INTERMEDIA* Bausch.

'Rostrevor'.

272085. *EUCRYPHIA* × *NYMANSENSIS* Bausch.

272086 and 272087. *VIBURNUM* × *BODNANTENSE* Aberconway  
Caprifoliaceae.

272086. 'Charles Lamont No. 1'.

272087. 'Charles Lamont No. 2'.

**272088 to 272091.**

From Kenya. Seeds presented by the Grassland Research Station, Kitale. Received March 6, 1961.

272088. *DESMODIUM INTORTUM* (Mill.) Urb. Fabaceae.

272089. *DESMODIUM UNCINATUM* (Jacq.) DC.

272090. *LUPINUS PRINCEI* Harms. Fabaceae.

272091. *TRIFOLIUM RUPPELLIANUM* Fresen. Fabaceae.

**272092 to 272100.**

From Rhodesia. Seeds presented by W. C. Verboom, Kasama. Received March 6, 1961.

272092 to 272097. *GLYCINE JAVANICA* L. Fabaceae.

272092. No. 1. Central Province. Brown-seeded strain.

272093. No. 2. Luapula Province. Black-seeded strain.

272094. No. 3. Northern Province. Black-seeded strain.

272095. No. 4. Central Province. Black-seeded strain.

272096. No. 5. Northern Province. Greenish-seeded strain.

272097. No. 6. Northern Province. Black-seeded strain.

272098. *GLYCINE SCHLIEBENII* Harms.

Southern Province.

272099. *GLYCINE TABACINA* Benth.

North Rhodesia perennial. Originally from Australia.

272100. *PSEUDOERIOSEMA BORIANII* (Schweinf.) Hauman Fabaceae.

Central Province.

**272101 and 272102. DACTYLIS GLOMERATA L. Poaceae.****Orchardgrass.**

From Spain. Seeds presented by the Jardin Botanico de Universidad, Barcelona. Received March 6, 1961.

272101. 'Aineto' (Pirineos).

272102. 'Valle de Aram'.

**272103. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From France. Seeds presented by the Laboratoire de Recherches, sur les Plantes Fourragers, Rouen. Received March 6, 1961.

**272104 to 272107. PRUNUS AMYGDALUS Batsch Amygdalaceae.****Almond.**

From Morocco. Seeds presented by the School of Agriculture, Souilah. Received March 6, 1961.

272104. 'Costantini'.

272106. 'Desmayo'.

272105. 'De Safi'.

272107. 'Nonpareil'.

**272108 and 272109. FRAGARIA (hybrids). Rosaceae.**

From France. Plants presented by the Station Centrale de Pathologie Vegetale, Versailles. Received March 6, 1961.

272108. 'Howard'.

272109. 'Temple'.

**272110. KNIPHOFIA sp. Liliaceae.**

From the Union of South Africa. Plants collected by A. S. Barclay, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 7, 1961.

Col. No. 989. Grassveld, on side of mountain, near Cathedral Peak Forestry Station, Bergville, Natal District. Elevation 8,000 feet. Ornamental with light-red flowers.

**272111 to 272125.**

From Poland. Seeds presented by the Polish Academy of Science, Institute of Plant Breeding, Poznan. Received March 7, 1961.

272111. AGROSTIS ALBA L. Poaceae.

**Redtop.**

'Szelejewska'.

272112. ARRHENATHERUM ELATIUS (L.) Presl Poaceae.

**Tall oatgrass.**

'Antoninski'.

272113. BROMUS INERMIS Leyss. Poaceae.

**Brome grass.**

'Antoninska'.

272114. DACTYLIS GLOMERATA L. Poaceae.

**Orchardgrass.**

'Motycka'.

272115 and 272116. FESTUCA ELATIOR L. Poaceae.

**Meadow fescue.**

272115. 'Motycka'.

272116. 'Skrzeszowicka'.

272117. FESTUCA RUBRA L.

**Red fescue.**

'Nakielska'.

272118 and 272119. LOLIUM MULTIFLORUM Lam. Poaceae. **Italian ryegrass.**

272118. 'Westarwoldicum Motycki'.

272119. 'Westarwoldicum Jasicki'.

## 272111 to 272125—Continued

- 272120 and 272121. *LOLIUM PERENNE* L. Perennial ryegrass.  
 272120. 'Nadmorski'.  
 272121. 'Gorozanski'.  
 272122 and 272123. *PHALARIS ARUNDINACEA* L. Poaceae.  
 Reed canarygrass.  
 272122. 'Motycka'.  
 272123. 'Nakielska'.  
 272124. *POA PALUSTRIS* L. Poaceae. Roughstalk bluegrass.  
 'Skrzeszowicka'.  
 272125. *POA PRATENSIS* L. Kentucky bluegrass.  
 'Skrzeszowicka'.

## 272126 to 272137.

From the Union of Soviet Socialist Republics. Seeds presented by the Exchange Division, Main Botanic Gardens, Academy of Sciences, Moscow. Received March 7, 1961.

- 272126 and 272127. *ELYMUS ARENARIUS* L. Poaceae.

272126. From the Alma-Ata Botanic Garden.

272127. From the Karganda Botanic Garden.

- 272128 and 272129. *ELYMUS CANADENSIS* L.

272128. From the Alma-Ata Botanic Garden.

272129. From the Karganda Botanic Garden.

- 272130 and 272131. *ELYMUS CAROLINIANUS* Walt.

272130. From the Alma-Ata Botanic Garden.

272131. From the Karganda Botanic Garden.

272132. *ELYMUS DAHURICUS* Turcz.

From the Karganda Botanic Garden.

- 272133 and 272134. *ELYMUS GIGANTEUS* Vahl.

272133. From the Alma-Ata Botanic Garden.

272134. From the Karganda Botanic Garden.

272135. *ELYMUS PABOANUS* Claus

From the Karganda Botanic Garden.

- 272136 and 272137. *ELYMUS VIRGINICUS* L.

272136. From the Alma-Ata Botanic Garden.

272137. From the Karganda Botanic Garden.

## 272138 to 272142.

From Germany. Plants purchased from J. Timm and Company Baumschulen, Elmshorn, Holstein. Received March 8, 1961.

272138. *CLEMATIS MONTANA* var. *LILACINA* Lemoine ex Rehder

Ranunculaceae.

272139. *CLEMATIS TANGUTICA* (Maxim.) Korsh.

Golden clematis.

- 272140 to 272142. *HIBISCUS SYRIACUS* L. Malvaceae.

Shrub-althea.

272140. 'Ardens Plena'.



## 272138 to 272142—Continued

## 272140 to 272142—Continued

272141. 'Comte de Flandre'.

272142. 'Elegantissimus'.

## 272143 to 272218. PISUM SATIVUM L. Fabaceae.

From Germany. Seeds presented by the Deutsche Akademie der Wissenschaften zu Berlin, Institut für Kulturpflanzenforschung, Gatersleben.  
Received March 1, 1961.

- |         |         |                                      |   |
|---------|---------|--------------------------------------|---|
| 272143. | 116/60. | 'Thebaicum Ruby'.                    | Schreiber Quedlinburg.                                  |
| 272144. | 343/60. | 'Svalofs Hero'.                      | Heyn, Rastatt.  |
| 272145. | 140/59. | 'Thebaicum'.                         | Pleskau, Schreiber Quedlinburg.                         |
| 272146. | 415/60. | 'Hibernicum'<br>(Winterform).        | B I:1122, nordl. Ptolomais.                             |
| 272147. | 427/60. | 'Hibernicum'<br>(Winterform).        | B I:2182, 5 km sudw. Ellasson.                          |
| 272148. | 99/59.  | 'Navale Artturi'.                    | Versuchsanst. f. Pflanzenzucht,<br>Jokioinen, Finnland. |
| 272149. | 432/60. | 'Navale'<br>(Winterform).            | B II: 97, Prussia.                                      |
| 272150. | 604/59. | 'Ankoberense'.                       | B II: 97, Prussia 1943:355<br>(Liniel).                 |
| 272151. | 159/59. | 'Uniflorum'.                         | Schreiber, Quedlinburg 1945.                            |
| 272152. | 420/60. | 'Hiemale Landsorte'<br>(Winterform). | B I: 1393, Landw. Stat. Janina.                         |
| 272153. | 291/60. | 'Hiemale'<br>(Winterform).           | B I:2182, Nordgriechenland,<br>sudw. Ellasson.          |
| 272154. | 406/60. | 'Hiemale'<br>(Winterform).           | B I: 113, 1 km sudl. Rudina.                            |
| 272155. | 412/59. | 'Hiemale'<br>(Winterform).           | B I: 112, Wegekreuz Rudina.                             |
| 272156. | 413/60. | 'Hiemale'<br>(Winterform).           | B I:1117, Perdika, Dreschplatz.                         |
| 272157. | 108/60. | 'Hiemale'<br>(Winterform).           | B II:803 Peloponnes, Pissa<br>Vitina bei Tripolis.      |
| 272158. | 513/59. | 'Griseo-coloratum'.                  | Heyn, Rastatt aus P. 293.                               |
| 272159. | 521/59. | 'Griseo-coloratum'.                  | Heyn, Rastatt P. 292.                                   |
| 272160. | 129/59. | 'Griseo-coloratum'.                  | Uolkitte Abessinien Schreiber<br>Quedlinburg 1945.      |
| 272161. | 336/60. | 'Griseo-coloratum'.                  | Jagalen, Abessinien, Heyn,<br>Rastatt.                  |
| 272162. | 347/59. | 'Griseo-coloratum'.                  | Adrigat, Abessinien, Heyn,<br>Rastatt P. 279.           |
| 272163. | 351/59. | 'Griseo-coloratum'.                  | Aghere Miriam, Abess., Heyn,<br>Rastatt P. 294.         |
| 272164. | 338/60. | 'Griseo-coloratum'.                  | Maldia, Abessinien, Heyn,<br>Rastatt.                   |
| 272165. | 438/59. | 'Griseo-coloratum'.                  | B II:97, Prussia.                                       |
| 272166. | 527/60. | 'Griseo-coloratum'.                  | B II:867, Peloponnes Lesi bei<br>Kalamata.              |

## 272143 to 272218—Continued

272167.	167/59.	'Viridipunctulum'.	Schreiber, Quedlinburg 1945.
272168.	138/59.	'Viridipunctulum'.	Schreiber, Quedlinburg 1945.
272169.	368/59.	'Viridipunctulum'.	Usbekistan, Schreiber, Quedlinburg.
272170.	624/60.	'Zeylanicum Palma'.	Inst.f.Acker-u. Pflanzenbau, Weihenstephan.
272171.	664/60.	'Zeylanicum, 'Selectas Peluschke'.	Sortenamnt Halle 1954.
272172.	508/60.	'Zeylanicum'.	Heyn, Rastatt P. 289.
272173.	520/59.	'Zeylanicum'.	Heyn, Rastatt P. 304.
272174.	105/60.	'Zeylanicum'.	Kreta 1942:73, Bella Campagna bei Canea.
272175.	491/59.	'Zeylanicum'.	H. E. 459 aus Gottingen 1947.
272176.	153/59.	'Punctatum'.	Schreiber, Quedlinburg 1945.
272177.	171/59.	'Punctatum'.	Schreiber, Quedlinburg.
272178.	518/59.	'Subharraricum'.	Heyn Rastatt P. 301.
272179.	131/60.	'Viclanceo-punctatum' 'Osziborso'.	Schreiber Quedlinburg.
272180.	572/60.	'Viclanceo-punctatum'.	Heyn, Rastatt P. 86B.
272181.	87/60.	'Viclanceo-punctatum'.	Abessinien, Schreiber Quedlinburg.
272182.	498/60.	'Viclanceo-punctatum'.	H.E. 482 aus Gottingen.
272183.	124/59.	'Arvense'.	Schreiber, Quedlinburg.
272184.	426/60.	'Arvense'.	B I:2182, 5 km sudw. Ellasson.
272185.	106/60.	'Arvense'.	Stubbe 207 Kreta, Lakki.
272186.	531/60.	'Arvense'.	H. E. 417 Gottingen.
272187.	168/59.	'Subfrufum'.	Schreiber, Quedlinburg.
272188.	123/59.	'Sanguivitta Ogema'.	Schreiber, Quedlinburg (USA).
272189.	367/60.	'Sanguivitta'.	Sammelsort. Schreiber Quedlinburg.
272190.	486/60.	'Sanguivittopsis'.	H. E. 417, Gottingen.
272191.	490/59.	'Sanguivittopsis'.	H. E. 458, Gottingen 1947.
272192.	130/59.	'Nigro-violaceum Vilmorin VI'.	Schreiber, Quedlinburg.
272193.	386/60.	'Nigro-violaceum'.	Heyn, Rastatt P 188.
272194.	479/60.	'Concolon'.	H. E. 300, Gottingen.
272195.	506/60.	'Concolon'.	Heyn, Rastatt P 296 aus Nokiste.
272196.	654/60.	'Fusco-umbilicatum Breslauer v 7 g 1' (Winterform).	Sortenamnt Halle 1954.
272197.	663/60.	'OstpreuBische Peluschke'.	Sortenamnt Halle.
272198.	802/60.	'Strengs Wiehenstephaner'.	Sortenamnt Halle 1954.
272199.	158/59.	'Fusco-umbilicatum'.	Schreiber, Quedlinburg 1945.

## 272143 to 272218—Continued

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|---------|---------|---|--|
| 272200. | 353/59. | 'Fusco-umbilicatum'.  | Aghere Mariam, Abess. Heyn, Rastatt P. 294.                  |
| 272201. | 499/59. | 'Fusco-umbilicatum'.  | H. E. 482, Gottingen 1947.                                   |
| 272202. | 128/60. | 'Alveolare'.  | Schreiber, Quedlinburg.                                      |
| 272203. | 621/60. | 'Nigro-umbilicatum<br>Dr. Kreutz<br>Wintererbse'<br>(Winterform). | Inst.f.Acker-und Pflanzenbau,<br>Weihenstephan.              |
| 272204. | 883/60. | 'Hodinger<br>Futtererbse'.  | VEG-Saatzucht Seggerde.                                      |
| 272205. | 480/60. | 'Nigro-umbilicatum'.  | H. E. 300 aus Gotting.                                       |
| 272206. | 650/60. | 'Centrali-sibiricum<br>Svalofs Notaart'.                          | Inst.f.Acker-und Pflanzenbau,<br>Weihenstephan.              |
| 272207. | 285/60. | 'Centrali-sibiricum'<br>(Winterform).                             | Balkan Nordgiechenld. nordl.<br>Peplomais leg. Freisleben.   |
| 272208. | 118/60. | 'Grandigriseum'.  | Harrar in A bessinien,<br>Schreiber, Quedlinburg.            |
| 272209. | 648/60. | 'Capucinatorum<br>Kapuziner'.                                     | Bot. Gart. Hohenheim.  |
| 272210. | 626/60. | 'Svalofs Briort'.   | Inst.f.Acker-und Pflanzenbau,<br>Weihenstephan.              |
| 272211. | 389/59. | 'Capucinatorum'.  | Heyn, Rastatt P. 272.  |
| 272212. | 146/59. | 'Capucinatorum'.  | Gara Gufa, Abessinien Schreiber,<br>Quedlinburg.             |
| 272213. | 383/59. | 'Melanocarpum'.   | (Erbse mit purpurner Hulse)<br>Heyn, Rastatt, P. 167.        |
| 272214. | 126/59. | 'Melanocarpum'.   | Schreiber, Quedlinburg 1945.                                 |
| 272215. | 583/60. | 'Population<br>Lucienhofer<br>Wintererbse'<br>(Winterform).       | Nordsaat GmbH. Waternever-<br>stooff, Post Lutjenburg/Holst. |
| 272216. | 653/60. | 'Winter-Futtererbse'<br>(Winterform).                             | Landw. Forsch. Inst. Marika<br>Philippopol Bulgarian.        |
| 272217. | 665/60. | 'Wurtembergische<br>Wi-Erbse'<br>(Winterform).                    | Sortenamt Halle.   |
| 272218. | 402/59. | 'Population'<br>(Winterform).                                     | B I:86, Peluschke aus<br>Voskopoje.                          |

272219. LYCOPERSICON (hybrid). Solanaceae. **Tomato.**

From Italy. Seeds presented by the Instituto di Genetica Vegetale, Facolta di Agraria Dell' Universita Cattolica del S. Cuore, Piacenza. Received March 9, 1961.

'Gimar'. Reportedly a cross between *L. esculentum*, *L. pimpinellifolium* and *L. peruvianum*. Early variety, excellent for table use and for canning; fruit firm, high color inside and out, medium sized; resistant to leaf infections.

## 272220 to 272253.

From Great Britain. Plants purchased from Hillier and Sons, Winchester, England. Numbered March 9, 1961.



## 272220 to 272253—Continued

272220. *BERBERIS DARWINII* Hooker Berberidaceae. Darwin barberry.  
'Prostrata'.
272221. *BERBERIS STENOPHYLLA* Lindl.
272222. *BERBERIS STENOPHYLLA* Lindl.
272223. *BERBERIS* sp.
272224. *BUDDLEIA DAVIDII* var. *NAHOENSIS* (Chittend.) Rehder  
Loganiaceae.
272225. *COTONEASTER AFFINIS* Lindl. Malaceae.
- 272226 and 272227. *COTONEASTER AFFINIS* var. *BACILLARIS* (Lindl.) Schneid.  
Malaceae.
272226. No data.
272227. 'Obtusa'.
272228. *COTONEASTER COOPERI* Marquand
272229. *COTONEASTER DIELSIANA* var. *ELEGANS* Rehd. & Wils.
272230. *COTONEASTER FOVEOLATA* Rehd. & Wils.
272231. *COTONEASTER HEBEPHYLLA* Diels
272232. *COTONEASTER HENRYANA* (C. Schneid.) Rehd. & Wils.
272233. *COTONEASTER LINDLEYI* Steud.
272234. *COTONEASTER MELANOCARPA* var. *LAXIFLORA* (Jacq.) S. Schneid.
272235. *COTONEASTER MOUPINENSIS* Franch.
272236. *COTONEASTER NEWRYENSIS* T. Smith
272237. *COTONEASTER OBSCURA* Rehd. & Wils.
272238. *COTONEASTER PANNOSA* Franch.
272239. *COTONEASTER PROSTRATA* var. *LANATA* Rehder
272240. *COTONEASTER RACEMIFLORA* var. *MICROCARPA* Rehd. & Wils.
272241. *COTONEASTER RACEMIFLORA* var. *ROYLEANA* Dippel
272242. *COTONEASTER RACEMIFLORA* var. *VEITCHII* Rehd. & Wils.
272243. *COTONEASTER TOMENTOSA* (Ait.) Lindley
272244. *COTONEASTER TURBINATA* Craib.
272245. *COTONEASTER* sp.
272246. *COTONEASTER* sp.
272247. *COTONEASTER* sp.
- Received as 'St. Monica'.
272248. *CYTISUS BATTANDIERI* Maire Fabaceae. Broom.
272249. *ESCALLONIA* (hybrid). Escalloniaceae.  
'Alice'.
272250. *HAMAMELIS MOLLIS* Oliver Hamamelidaceae.  
'Brevipetala'.
272251. *MYRTUS* (hybrid). Myrtaceae.  
'Cheken'.
272252. *SARCOCOCCA CONFUSA* Sealy Buxaceae.
272253. *SARCOCOCCA SALIGNA* (D. Don) Muell.

**272254. ECBALLIUM ELATERIUM (L.) A. Rich. Cucurbitaceae.**  
**Squirting-cucumber.**

From the Union of South Africa. Seeds presented by the Division of Crops and Pastures, Pretoria. Received March 10, 1961.

**272255 to 272258.**

From the Union of South Africa. Seeds presented by the Horticultural Research Station, Pretoria. Received March 10, 1961.

**272255 to 272257. ALLIUM CEPA L. Liliaceae. Onion.**

272255. 'De Wildt'.

272256. 'Early Cape Flat'. (Oudtshoorn Line).

272257. 'Early Cape Flat'. (Stellenbosch Line).

**272258. DAUCUS CAROTA L. Apiaceae. Carrot.**

'Cape Market'.

**272259 to 272301.**

From Great Britain. Plants purchased from the W. H. Rogers Nurseries, Eastleigh, England. Received March 10, 1961.

**272259. ABIES CONCOLOR (Gord.) Hoopes Pinaceae. White fir.**

'Glauca Compacta'.

**272260. ABIES CONCOLOR f. WATTEZII (Beiss.) Rehder**

**272261. ABIES NORDMANNIANA (Stev.) Spach. Nordman fir.**

'Prostrata'.

**272262. ABIES PROCERA f. GLAUCA (Raven.) Rehder**

**272263. ABIES RECURVATA Masters**

'Prostrata'.

**272264. ABIES sp.**

**272265. ATHROTAXIS SELAGINOIDES Don Pinaceae.**

**272266 and 272267. CHAMAECYPARIS LAWSONIANA (Murray) Parl. Pinaceae. Lawson falsecypress.**

272266. 'Aurea Densa'.

272267. 'Minima Aurea Rogersi'.

**272268. CHAMAECYPARIS LAWSONIANA f. FLETCHERI (Hornibr.) Rehder**

'Albo-Variegata'.

**272269. CHAMAECYPARIS LAWSONIANA f. LUTEA (Hort.) Schneider**

'Nana'.

**272270 to 272278. CHAMAECYPARIS OBTUSA (Sieb. & Zucc.) Endlicher Hinoki falsecypress.**

272270. 'Bassett'.

272275. 'Juniperoides Compacta'.

272271. 'Caespitosa'.

272276. 'Minima'.

272272. 'Chilworth'.

272277. 'Rigida'.

272273. 'Intermedia'.

272278. 'Stoneham'.

272274. 'Juniperoides'.

**272279 and 272280. CHAMAECYPARIS PISIFERA f. PLUMOSA (Corr.) Beissner.**

272279. 'Compressa'.

272280. 'Nana Aureo-Variegata'.

**272259 to 272301—Continued**

272281. *COTONEASTER HORIZONTALIS* var. *VARIEGATA* (Osborn) Rehder  
Malaceae.
- 272282 and 272283. *CRYPTOMERIA JAPONICA* (L.f.) D. Don Pinaceae.
272282. 'Compressa'.
272283. 'Knaptonensis'.
272284. *JUNIPERUS CHINENSIS* var. *SARGENTII* Henry Pinaceae.  
'Prostrata'.
272285. *JUNIPERUS COMMUNIS* L. Common juniper.  
'Bonan Isle'.
272286. *JUNIPERUS COXII* A. B. Jacks
- 272287 and 272288. *JUNIPERUS PACHYPHIAEA* Torr. Alligator juniper.
272287. No data.
272288. 'New Blue'.
272289. *JUNIPERUS SQUAMATA* Buch.-Ham. ex Lambert  
'Forrestii'.
272290. *JUNIPERUS* sp.
272291. *PHYLLOCLADUS TRICHOMANOIDES* D. Don ex Lambert Taxaceae.
272292. *PICEA ABIES* f. *GREGORYANA* (Gord.) Rehder Pinaceae.  
'Parsoni'.
272293. *PICEA ABIES* f. *PYGMAEA* (Loud.) Rehder
272294. *PICEA MARIANA* f. *NANA* (Beisen.) Rehder
272295. *PICEA PUNGENS* f. *GLAUCA* (Reg.) Beissner  
'Procumbens'.
272296. *PINUS MUGO* var. *PUMILIO* Zenari Pinaceae.
- 272297 and 272298. *PINUS SYLVESTRIS* L. Scotch pine.
272297. 'Beauvonrensis'.
272298. 'Viridis Compacta'.
272299. *PODOCARPUS MACROPHYLLA* (Thunb.) Don Taxaceae.  
Yew podocarpus.
- 272300 and 272301. *THUJA PLICATA* D. Don Pinaceae. Giant arborvitae.
272300. 'Aurea Rogersi'.
272301. 'Stoneham Gold'.
- 272302. *BRACHIARIA RAMOSA* (L.) Stapf Poaceae.**  
From India. Seeds presented by the Indian Agricultural Research Institute,  
New Delhi. Received March 13, 1961.  
'Delhi'.
- 272303 to 272332. *TRITICUM AESTIVUM* L. Poaceae.**  
Common wheat.
- From Brazil. Seeds presented by the Instituto Agronomico do Sul, Rio  
Grande do Sul. Received March 13, 1961.
272303. No. 1-AS-7. 272306. No. 1-AS-14.
272304. No. 1-AS-8. (Piratim). 272307. No. 1-AS-15.
272305. No. 1-AS-13. 272308. No. 1-AS-16.



## 272303 to 272332—Continued

272309. No. 1-AS-17.	272321. No. 1-AS-33.
272310. No. 1-AS-20.	272322. No. 1-AS-34.
272311. No. 1-AS-21.	272323. No. 1-AS-35.
272312. No. 1-AS-22.	272324. No. 1-AS-36.
272313. No. 1-AS-23.	272325. No. 1-AS-37.
272314. No. 1-AS-24.	272326. No. 1-AS-38.
272315. No. 1-AS-27.	272327. No. 1-AS-39.
272316. No. 1-AS-28.	272328. No. 1-AS-40.
272317. No. 1-AS-29.	272329. No. 1-AS-41.
272318. No. 1-AS-30.	272330. No. 1-AS-42.
272319. No. 1-AS-31.	272331. No. 1-AS-43.
272320. No. 1-AS-32.	272332. No. 1-AS-44.

## 272333 to 272602.

From Hungary. Seeds presented by the Institut National d'Agribotanique, Tapioszele. Received March 13, 1961.

272333 to 272337. *SECALE CEREALE* L. Poaceae.

Rye.

- 272333. No. I-3-1. 'Fleischmann'.
- 272334. No. I-3-2. 'Lovaszpatonai'.
- 272335. No. I-3-3. 'Ovari'.
- 272336. No. I-3-4. 'Kisvardai'.
- 272337. No. I-3-5. 'Kecskemeti Heterozis'.

272338. *SECALE MONTANUM* Guss.

No. I-3-127.

272339 to 272517. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

- 272339. No. I-1-98. 'Bacska'.
- 272340. No. I-1-108. 'Csaki'.
- 272341. No. I-1-112. 'Dioszegi 178'.
- 272342. No. I-1-113. 'Dioszegi 85-79-36'.
- 272343. No. I-1-115. 'Dioszegi 200'.
- 272344. No. I-1-126. 'Hatvani 37-1'.
- 272345. No. I-1-133. 'Karcagi 21'.
- 272346. No. I-1-134. 'Karcagi 54'.
- 272347. No. I-1-151. 'Lontoi 1/3'.
- 272348. No. I-1-151/2/. 'Lontoi'.
- 272349. No. I-1-152. 'Lovaszpatonai 407'.
- 272350. No. I-1-158. 'Mezohegyesi 6286'.
- 272351. No. I-1-159. 'Mezohegyesi 7286'.
- 272352. No. I-1-160. 'M. F. 473'.
- 272353. No. I-1-161. M. F. 481.
- 272354. No. I-1-162. 'Martonvasari F.B. 133'.
- 272355. No. I-1-163. M.F.  $\times$  K.F.
- 272356. No. I-1-164. 'Mindszentopusztai 706'.

**272333 to 272602—Continued****272339 to 272517—Continued**

272357. No. I-1-174. 'Odvosi 5'.  
272358. No. I-1-175. 'Odvosi 241'.  
272359. No. I-1-193. 'Szekacs 1242'.  
272360. No. I-1-260. 'Beta-Bankuti'.  
272361. No. I-1-261. 'Karcagi 1042'.  
272362. No. I-1-263. 'Odvosi'.  
272363. No. I-1-264. 'Szekacs 1055'.  
272364. No. I-1-268. 'Martonvasari F.B. 96'.  
272365. No. I-1-269. U-2.  
272366. No. I-1-270. U-8.  
272367. No. I-1-380. 'Bankuti 5'.  
272368. No. I-1-395. 'Legany'.  
272369. No. I-1-423. 'Lovaszipatonai 1504'.  
272370. No. I-1-424. 'Godolloi 9'.  
272371. No. I-1-425. 'Godolloi 13'.  
272372. No. I-1-426. 'Godolloi 15'.  
272373. No. I-1-430. 'Bankuti 8000'.  
272374. No. I-1-431. 'Barabas-fele'.  
272375. No. I-1-455. 'Bankuti Garnet'.  
272376. No. I-1-474. 'Perbetei Toklaszos'.  
272377. No. I-1-476. M.T.R. 7.  
272378. No. I-1-728. 'Alcsuti 21'.  
272379. No. I-1-729. 'Arpadhalmi 1'.  
272380. No. I-1-730. 'Arpadhalmi 16'.  
272381. No. I-1-731. 'Arpadhalmi 17'.  
272382. No. I-1-732. 'Arpadhalmi 19'.  
272383. No. I-1-733. 'Arpadhalmi 266'.  
272384. No. I-1-734. 'Arpadhalmi 267'.  
272385. No. I-1-735. 'Arpadhalmi 304'.  
272386. No. I-1-736. 'Arpadhalmi 1389'.  
272387. No. I-1-738. 'Bankuti 1014'.  
272388. No. I-1-739. 'Babolnai 4646'.  
272389. No. I-1-740. 'Babolnai 4647'.  
272390. No. I-1-741. 'Babolnai 33-2-25'.  
272391. No. I-1-750. 'Bankuti Tavaszi'.  
272392. No. I-1-754. 'Bellyei 590'.  
272393. No. I-1-777. 'Csiki'.  
272394. No. I-1-778. 'Dioszegi 82'.  
272395. No. I-1-788. 'Deaki'.  
272396. No. I-1-790. 'Dioszegi 2'.  
272397. No. I-1-792. 'Dioszegi 85/6'.  
272398. No. I-1-794. 'Dioszegi 85-78-36'.

## 272333 to 272602—Continued

## 272339 to 272517—Continued

272399. No. I-1-795. 'Dioszegi 85-79'.  
272400. No. I-1-797. 'Dioszegi 1781'.  
272401. No. I-1-798. 'Dioszegi 1782'.  
272402. No. I-1-799. 'Dioszegi 1792'.  
272403. No. I-1-800. 'Dioszegi Hybrid'.  
272404. No. I-1-801. 'Dioszegi N.R.'.  
272405. No. I-1-820. 'Eszterhazai 11'.  
272406. No. I-1-821. 'Eszterhazai 23'.  
272407. No. I-1-823. 'Eszterhazai 275'.  
272408. No. I-1-825. 'Eszterhazai 404'.  
272409. No. I-1-826. 'Eszterhazai Export'.  
272410. No. I-1-827. 'Eszterhazai F. Korai'.  
272411. No. I-1-828. 'Eszterhazai Mindenes'.  
272412. No. I-1-829. 'Eszterhazai Szegenylegény'.  
272413. No. I-1-832. 'Fleischmann 481/24'.  
272414. No. I-1-833. 'Fleischmann 481/25'.  
272415. No. I-1-834. 'Fleischmann 481/86'.  
272416. No. I-1-835. 'Fleischmann-fele Viharbuza'.  
272417. No. I-1-849. 'Hatvani 28/3'.  
272418. No. I-1-850. 'Hatvani 37'.  
272419. No. I-1-851. 'Hatvani 40/25'.  
272420. No. I-1-852. 'Hatvani 35-5-1'.  
272421. No. I-1-853. 'Hatvani 121'.  
272422. No. I-1-854. 'Hatvani 1103'.  
272423. No. I-1-855. 'Hatvani 1140'.  
272424. No. I-1-856. 'Hatvani 1242'.  
272425. No. I-1-857. 'Hatvani 5463'.  
272426. No. I-1-858. 'Hatvani 5542'.  
272427. No. I-1-859. 'Hatvani 5612'.  
272428. No. I-1-860. 'Hatvani 5616'.  
272429. No. I-1-866. 'Ilocskai 2'.  
272430. No. I-1-867. 'Ilocskai 16'.  
272431. No. I-1-915. 'Lovaszipatonai 9'.  
272432. No. I-1-916. 'Lovaszipatonai 15'.  
272433. No. I-1-917. 'Lovaszipatonai 157'.  
272434. No. I-1-919. 'Lovaszipatonai 289'.  
272435. No. I-1-920. 'Lovaszipatonai 388'.  
272436. No. I-1-922. 'Lovaszipatonai 433'.  
272437. No. I-1-923. 'M.F. Mutacio'.  
272438. No. I-1-929. 'Martonvasari F.B. 118'.  
272439. No. I-1-932. 'Mezohegyesi 368'.  
272440. No. I-1-938. 'Mindszentpusztai'.



## 272333 to 272602—Continued

## 272339 to 272517—Continued

272441. No. I-1-939. 'Mindszentpusztai 7013'.  
272442. No. I-1-945. 'Nagysuranyi 110'.  
272443. No. I-1-946. 'Nagysuranyi 131'.  
272444. No. I-1-947. 'Nagysuranyi 196'.  
272445. No. I-1-948. 'Nagysuranyi 211'.  
272446. No. I-1-968. 'Perbetei 5'.  
272447. No. I-1-969. 'Perbetei 12'.  
272448. No. I-1-970. 'Perbetei 29/36'.  
272449. No. I-1-971. 'Perbetei 35/145'.  
272450. No. I-1-972. 'Perbetei 36-388'.  
272451. No. I-1-975. 'Perbetei Toklaszos 29-136'.  
272452. No. I-1-1008. 'Szekacs 1653'.  
272453. No. I-1-1009. 'Szekacs 1666'.  
272454. No. I-1-1010. 'Szekacs 1685'.  
272455. No. I-1-1012. 'Szekacs 3342'.  
272456. No. I-1-1013. 'Szekacs 7162'.  
272457. No. I-1-1056. 'Veneny 3787'.  
272458. No. I-1-1442. 'Hatvani 38/26'.  
272459. No. I-1-1489. 'Eszterhazai 134'.  
272460. No. I-1-1490. 'Eszterhazai 134/43'.  
272461. No. I-1-1504. 'Hatvani 5512'.  
272462. No. I-1-1536. 'Pal Grof'.  
272463. No. I-1-2223. 'Dioszegi F.1'.  
272464. No. I-1-2676. F.R. 8.  
272465. No. I-1-2677. B R 7.  
272466. No. I-1-2981. 'Dioszegi 35'.  
272467. No. I-1-3005. 'Hatvani 3490'.  
272468. No. I-1-3663. 'Bankuti 23-46'.  
272469. No. I-1-641.  
272470. No. I-1-3171.  
272471. No. I-1-2429.  
272472. No. I-1-3557.  
272473. No. I-1-1961.  
272474. No. I-1-2151.  
272475. No. I-1-717.  
272476. No. I-1-2440.  
272477. No. I-1-180. 'Perbetei Voros'.  
272478. No. I-1-374. 'Penyigei Valto'.  
272479. No. I-1-485.  
272480. No. I-1-1148. 'Mindszentpusztai 2906'.  
272481. No. I-1-2155.  
272482. No. I-1-2741.

**272333 to 272602—Continued****272339 to 272517—Continued**

272483. No. I-1-1157.  
272484. No. I-1-421.  
272485. No. I-1-1196. 'Dioszegi 1785'.  
272486. No. I-1-1223. 'Ilocskai 75'.  
272487. No. I-1-1261. 'Mezohegyesi 6282'.  
272488. No. I-1-1266. 'Nanai Tar'.  
272489. No. I-1-1274. 'Perbetei 3'.  
272490. No. I-1-1276. 'Perbetei 35/419'.  
272491. No. I-1-1527. 'Mindszentipusztai 704'.  
272492. No. I-1-332.  
272493. No. I-1-606.  
272494. No. I-1-1421. 'Veneny 3621'.  
272495. No. I-1-1468. 'Babolnai 4750'.  
272496. No. I-1-2274.  
272497. No. I-1-2235.  
272498. No. I-1-1424.  
272499. No. I-1-2738.  
272500. No. I-1-1838.  
272501. No. I-1-611.  
272502. No. I-1-1967.  
272503. No. I-1-631.  
272504. No. I-1-1429.  
272505. No. I-1-388.  
272506. No. I-1-2238.  
272507. No. I-1-1432.  
272508. No. I-1-3091.  
272509. No. I-1-1433.  
272510. No. I-1-389.  
272511. No. I-1-2096.  
272512. No. I-1-1435.  
272513. No. I-1-1436.  
272514. No. I-1-1437.  
272515. No. I-1-1457.  
272516. No. I-1-1460.  
272517. No. I-1-3638.

**272518 to 272520. TRITICUM BOEOTICUM Boiss.**

272518. No. I-1-1913.  
272519. No. I-1-3518.  
272520. No. I-1-3517.

**272521 and 272522. TRITICUM CARTHAGICUM Nevski**

272521. No. I-1-2715.  
272522. No. I-1-500.

## 272333 to 272602—Continued

272523. TRITICUM DICOCCOIDES Koern.

No. I-1-3551.

272524 to 272535. TRITICUM DICOCCUM Schrank

Emmer.

272524. No. I-1-1775.

272530. No. I-1-1778.

272525. No. I-1-3411.

272531. No. I-1-2706.

272526. No. I-1-3410.

272532. No. I-1-3432.

272527. No. I-1-3428.

272533. No. I-1-3427.

272528. No. I-1-3425.

272534. No. I-1-3417.

272529. No. I-1-3420.

272535. No. I-1-3430.

272536 to 272553. TRITICUM DURUM Desf.

Durum wheat.

272536. No. I-1-1587. 'Veneny'.

272537. No. I-1-1591. 'Veneny 39/2'.

272538. No. I-1-1604. 'Pazmandi'.

272539. No. I-1-539.

272540. No. I-1-2899.

272541. No. I-1-505.

272542. No. I-1-1897.

272543. No. I-1-2892.

272544. No. I-1-2879.

272545. No. I-1-2727.

272546. No. I-1-2883.

272547. No. I-1-1706. 'Dioszegi'.

272548. No. I-1-1695. 'Veneny 36-2-18'.

272549. No. I-1-1696. 'Veneny 36-608'.

272550. No. I-1-538.

272551. No. I-1-2852.

272552. No. I-1-2877.

272553. No. I-1-3563. 'Vasc'.

272554 and 272555. TRITICUM MACHA Dekapr. and Men.

272554. No. I-1-2710.

272555. No. I-1-3544.

272556 to 272563. TRITICUM MONOCOCCUM L.

272556. No. I-1-1752.

272560. No. I-1-3516.

272557. No. I-1-3510.

272561. No. I-1-3508.

272558. No. I-1-1914.

272562. No. I-1-2702.

272559. No. I-1-3511.

272563. No. I-1-3515.

272564 to 272572. TRITICUM POLONICUM L.

Polish wheat.

272564. No. I-1-3496.

272569. No. I-1-3489.

272565. No. I-1-3493.

272570. No. I-1-3490.

272566. No. I-1-3486.

272571. No. I-1-551.

272567. No. I-1-3488.

272572. No. I-1-1769.

272568. No. I-1-3481.



## 272333 to 272602—Continued

272573 to 272579. TRITICUM SPELTA L.

Spelt.

272573. No. I-1-559.

272577. No. I-1-553.

272574. No. I-1-3540.

272578. No. I-1-3527.

272575. No. I-1-1791.

272579. No. I-1-3530.

272576. No. I-1-3526.

272580 and 272581. TRITICUM SPHAEROCOCCUM Percival

272580. No. I-1-3572.

272581. No. I-1-3573.

272582. TRITICUM TIMOPHEEVI (Zhuk.) Zhuk.

No. I-1-2708.

272583 to 272597. TRITICUM TURGIDUM L.

Poulard wheat.

272583. No. I-1-1721.

272591. No. I-1-3434.

272584. No. I-1-3455.

272592. No. I-1-3466.

272585. No. I-1-3454.

272592. No. I-1-3466.

272586. No. I-1-3445.

272594. No. I-1-3471.

272587. No. I-1-1725.

272595. No. I-1-3450.

272588. No. I-1-3436.

272596. No. I-1-2729.

272589. No. I-1-3465.

272597. No. I-1-3458.

272590. No. I-1-3448.

272598. TRITICUM VAVILOVII Jakub.

No. I-1-2713.

272599. TRITICUM sp.

No. I-1-2717.

272600. TRITICUM sp.

No. I-1-2709.

272601. TRITICUM sp.

No. I-1-2718.

272602. TRITICUM sp.

No. I-1-3478.

## 272603 to 272605.

From Great Britain. Plants presented by the Crown Estate Office, The Great Park, Windsor, Berks, England. Received March 14, 1961.

272603. MAGNOLIA (hybrid). Magnoliaceae.

(M. salicifolia × M. stellata var. rosea).

'Leonard Messel'.

272604. MAHONIA ACANTHIFOLIA G. Don Berberdiaceae.

272605. MAHONIA (hybrid).

(M. lomariifolia × M. japonica).

'Charity'.

## 272606 to 272611.

From New Zealand. Plants presented by Duncan & Davies Limited, Westown, New Plymouth. Received March 14, 1961.

**272606 to 272611—Continued**

272606. CHAMAECYPARIS OBTUSA (Sieb. & Zucc.) Endl. Pinaceae.  
Hinoki false cypress.

'Kojolcohiba'.

272607. CUPRESSUS MACROCARPA Hartw. Pinaceae.

'Lambertiana Aurea'.

- 272608 and 272609. DACRYDIUM COLENSOI Hook. Pinaceae.

272608. No data.

272609. No data.

272610. DACRYDIUM INTERMEDIUM T. Kirk

272611. DACRYDIUM LAXIFOLIUM Hook. f.

**272612 to 272620.**

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 15, 1961.

272612. DIOSCOREA DREGEANA var. HUTCHINSONII Burkill Dioscoreaceae.

No. P. 4022. From the Division of Botany, Pretoria, ex Loutpansberg.

272613. DIOSCOREA DUMETORUM (Kunth) Pax

No. P. 3224. From the Division of Botany, Pretoria, ex Kawyns Pass.

272614. DIOSCOREA RETUSA Mast.

No. P. 3081. From the Division of Botany, Pretoria, ex Brits.

- 272615 to 272619. DIOSCOREA SYLVATICA Ecklon

From the Division of Botany, Pretoria.

272615. No. 34 M.

272616. No. P. 3355.

272617. No. P. 3937. From Umtali District, southern Rhodesia.

272618. No. P. 3963. Olwiershock Pass.

272619. No. P. 4027. Ohrigstad.

272620. TEPHROSIA GRANDIFLORA (Ait.) Pers. Fabaceae.

Col. No. 18940. Krom River and Garden Route, Cape Province.

**272621 to 272625.**

From Japan. Seeds presented by P. H. Kubota, Nikko Tochigi Prefecture. Received March 15, 1961.

272621. CLEMATIS PATENS Morr. & Decne. Ranunculaceae.

272622. ILEX INTEGRA Thunb. Aquifoliaceae.

'Mochinoki'. Wakayama Prefecture Honshu.

272623. ILEX PURPUREA var. OLDHAMII (Miq.) Loes.

Wakayama Prefecture, Honshu.

272624. LESPEDEZA NIPPONICA Nakai Fabaceae.

272625. LESPEDEZA PENDULIFLORA var. SERICEA (Matsum.) Ohwi

Niigata Prefecture, Honshu.

272626 to 273188. *LYCOPERSICON ESCULENTUM* Mill.

Solanaceae.

Tomato.

From countries as indicated. Seeds held in storage at the Regional Plant Introduction Station, Ames, Iowa. Collected and donated by Dr. Schwanitz, Hamburg, Germany. Numbered March 15, 1961.

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272626.	1140.	Santa Tecla, El Salvador.	Plum	30
272627.	1141.	Santa Tecla, El Salvador.		19
272628.	1142.	Izalco, El Salvador.		18.5
272629.	1143.	Sonsonate, El Salvador.		19
272630.	1144.	Sonsonate, El Salvador.	Pear	30.5
272631.	1145.	Sonsonate, El Salvador.		19.5
272632.	1146.	Acajutla, El Salvador.		16.5
272633.	1147.	Ahuachapan, El Salvador.		14
272634.	1148.	Ahuachapan, El Salvador.		11.5
272635.	1149.	Turrialba, Costa Rica.		8.5
272636.	1150.	Turrialba, Costa Rica.		9
272637.	1151.	Turrialba, Costa Rica.		6
272638.	1152.	Turrialba, Costa Rica.		8.5
272639.	1153.	del Monte Laguna de Metapan, El Salvador.		3.5
272640.	1154.	del Monte Laguna de Metapan, El Salvador.		
272641.	1155.	del Monte Laguna de Metapan, El Salvador.		2
272642.	1156.	del Monte Laguna de Metapan, El Salvador.		2
272643.	1157.	del Monte Laguna de Metapan, El Salvador.		2
272644.	1158.	Atitlan, Guatemala.		10.8
272645.	1159.	Atitlan, Guatemala.		
272646.	1160.	Atitlan, Guatemala.		
272647.	1161.	Atitlan, Guatemala.		
272648.	1162.	Atitlan, Guatemala.		
272649.	1163.	Atitlan, Guatemala.		3.5
272650.	1164.	Atitlan, Guatemala.		3
272651.	1165.	Atitlan, Guatemala.		
272652.	1166.	Atitlan, Guatemala.		
272653.	1167.	Atitlan, Guatemala.		
272654.	1168.	Atitlan, Guatemala.		
272655.	1169.	Atitlan, Guatemala.		2.5
272656.	1170.	Atitlan, Guatemala.		9
272657.	1171.	Atitlan, Guatemala.		3.5



## 272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272658.	1172.	Atitlan, Guatemala.		
272659.	1173.	Atitlan, Guatemala.		2.5
272660.	1174.	Atitlan, Guatemala.		5
272661.	1175.	Atitlan, Guatemala.		
272662.	1176.	Atitlan, Guatemala.		2.5
272663.	1177.	Atitlan, Guatemala.		
272664.	1178.	Santa Tecla, El Salvador.		48
272665.	1179.	Santa Tecla, El Salvador.		29
272666.	1180.	La Palma, El Salvador.		35
272667.	1181.	La Palma, El Salvador.		20
272668.	1182.	La Palma, El Salvador.		26.5
272669.	1183.	La Palma, El Salvador.		21.5
272670.	1184.	La Palma, El Salvador.		3
272671.	1185.	La Palma, El Salvador.		35.5
272672.	1186.	San Francisco-Gotera, El Salvador.		57
272673.	1187.	San Francisco-Gotera, El Salvador.		36
272674.	1188.	San Francisco-Gotera, El Salvador.		76
272675.	1189.	San Francisco-Gotera, El Salvador.		62.5
272676.	1190.	San Francisco-Gotera, El Salvador.		38
272677.	1191.	San Francisco-Gotera, El Salvador.		65
272678.	1192.	Yoloaiquin, El Salvador.		31
272679.	1193.	Yoloaiquin, El Salvador.		40
272680.	1194.	Yoloaiquin, El Salvador.		37
272681.	1195.	Yoloaiquin, El Salvador.		45
272682.	1196.	Yoloaiquin, El Salvador.		25
272683.	1197.	Osicala, El Salvador.		45
272684.	1198.	Osicala, El Salvador.		48.5
272685.	1199.	Izalco, El Salvador.	Plum	26
272686.	1200.	Acajutla, El Salvador.		26
272687.	1201.	Acajutla, El Salvador.		23
272688.	1202.	Acajutla, El Salvador.		25
272689.	1203.	Acajutla, El Salvador.	Plum	9
272690.	1204.	Acajutla, El Salvador.	Plum	23.5
272691.	1205.	Acajutla, El Salvador.		
272692.	1206.	Acajutla, El Salvador.		20
272693.	1207.	Jayaque, El Salvador.		37

## 272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272694.	1208.	Tegucigalpa, Honduras.		42
272695.	1209.	Tegucigalpa, Honduras.		39.5
272696.	1210.	Juayua, El Salvador.		52.5
272697.	1211.	Juayua, El Salvador.		23
272698.	1212.	Juayua, El Salvador.		32
272699.	1213.	Ahuachapan, El Salvador.		20.5
272700.	1214.	Ahuachapan, El Salvador.		
272701.	1215.	Huehuetenango, Guatemala.		75
272702.	1216.	Huehuetenango, Guatemala.		27.5
272703.	1217.	Huehuetenango, Guatemala.		68
272704.	1218.	Huehuetenango, Guatemala.		74
272705.	1219.	Quezaltenango, Guatemala.		34
272706.	1220.	Quezaltenango, Guatemala.		38.5
272707.	1221.	Quezaltenango, Guatemala.		30
272708.	1222.	Quezaltenango, Guatemala.		32
272709.	1223.	Quezaltenango, Guatemala.		52
272710.	1224.	Quezaltenango, Guatemala.		
272711.	1225.	Quezaltenango, Guatemala.		29
272712.	1226.	Quezaltenango, Guatemala.		30
272713.	1227.	Quezaltenango, Guatemala.		27.5
272714.	1228.	Quezaltenango, Guatemala.		25
272715.	1229.	Quezaltenango, Guatemala.		28
272716.	1230.	Atitlan, Guatemala.		46.5
272717.	1231.	Atitlan, Guatemala.		68
272718.	1232.	Atitlan, Guatemala.		26
272719.	1233.	Atitlan, Guatemala.		35
272720.	1234.	Atitlan, Guatemala.		16
272721.	1235.	Atitlan, Guatemala.		84
272722.	1236.	Atitlan, Guatemala.		33
272723.	1237.	Chichicastenango, Guatemala.		71
272724.	1238.	Chichicastenango, Guatemala.		28
272725.	1239.	Comapa, Guatemala.		52
272726.	1240.	Comapa, Guatemala.		26
272727.	1241.	San Salvador, El Salvador.		35.5
272728.	1242.	San Salvador, El Salvador.	Plum	29.5
272729.	1243.	Santa Tecla, El Salvador.	Plum	23
272730.	1244.	Santa Tecla, El Salvador.	Plum	25.5
272731.	1245.	Santa Tecla, El Salvador.	Plum	27
272732.	1246.	Santa Tecla, El Salvador.	Plum	35
272733.	1247.	Santa Tecla, El Salvador.	Plum	39

## 272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272734.	1248.	Santa Tecla, El Salvador.	Plum	33
272735.	1249.	Santa Tecla, El Salvador.	Plum	34
272736.	1250.	La Palma, El Salvador.	Plum	24.5
272737.	1251.	La Palma, El Salvador.	Plum	27.5
272738.	1252.	La Palma, El Salvador.		25
272739.	1253.	Citala, El Salvador.	Plum	29
272740.	1254.	San Francisco-Gotera, El Salvador.	Plum	31.5
272741.	1255.	San Francisco-Gotera, El Salvador.		46
272742.	1256.	San Francisco-Gotera, El Salvador.	Plum	45
272743.	1257.	Yoloaiquin, El Salvador.		29
272744.	1258.	Yoloaiquin, El Salvador.	Plum	37
272745.	1259.	Izalco, El Salvador.	Plum	19.5
272746.	1260.	Izalco, El Salvador.	Plum	41
272747.	1261.	Izalco, El Salvador.	Plum	24
272748.	1262.	Juayua, El Salvador.	Plum	34
272749.	1263.	Juayua, El Salvador.	Plum	17
272750.	1264.	Juayua, El Salvador.	Plum	23
272751.	1265.	Juayua, El Salvador.	Plum	28
272752.	1266.	Sonsonate, El Salvador.	Plum	27
272753.	1267.	Sonsonate, El Salvador.	Plum	36
272754.	1268.	Sonsonate, El Salvador.	Plum	25.5
272755.	1269.	Sonsonate, El Salvador.	Plum	22
272756.	1270.	Sonsonate, El Salvador.	Plum	26
272757.	1271.	Sonsonate, El Salvador.	Plum	32
272758.	1272.	Sonsonate, El Salvador.	Plum	24
272759.	1273.	Acajutla, El Salvador.		20
272760.	1274.	Acajutla, El Salvador.	Plum	27.5
272761.	1275.	Jayaque, El Salvador.	Plum	
272762.	1276.	Comasagua, El Salvador.	Plum	25
272763.	1277.	Comasagua, El Salvador.	Pear	40.5
272764.	1278.	Comasagua, El Salvador.	Plum	15.5
272765.	1279.	Comasagua, El Salvador.	Plum	20
272766.	1280.	Comasagua, El Salvador.	Plum	29
272767.	1281.	Comasagua, El Salvador.	Plum	31
272768.	1282.	Comasagua, El Salvador.	Plum	52
272769.	1283.	Comasagua, El Salvador.	Plum	19
272770.	1284.	Comasagua, El Salvador.	Plum	17
272771.	1285.	Cojutepeque, El Salvador.	Plum	47



## 272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272772.	1286.	Ahuachapan, El Salvador.	Plum	
272773.	1287.	Ahuachapan, El Salvador.	Plum	32
272774.	1288.	Ahuachapan, El Salvador.	Plum	24
272775.	1289.	Ahuachapan, El Salvador.	Plum	32
272776.	1290.	Ahuachapan, El Salvador.	Plum	36
272777.	1291.	Nahuizalco, El Salvador.	Plum	24
272778.	1292.	Nahuizalco, El Salvador.	Plum	18
272779.	1293.	Nahuizalco, El Salvador.	Plum	20
272780.	1294.	Nahuizalco, El Salvador.	Plum	33
272781.	1295.	Nahuizalco, El Salvador.		82
272782.	1296.	Nahuizalco, El Salvador.	Plum	18
272783.	1297.	Santa Ana, El Salvador.	Plum	21
272784.	1298.	Metapan, El Salvador.	Plum	59.5
272785.	1299.	Metapan, El Salvador.	Plum	67.5
272786.	1300.	Metapan, El Salvador.		46.5
272787.	1301.	Atitlan, Guatemala.	Plum	22
272788.	1302.	Atitlan, Guatemala.	Plum	28
272789.	1303.	Atitlan, Guatemala.	Plum	65.5
272790.	1304.	Atitlan, Guatemala.	Plum	64
272791.	1305.	Atitlan, Guatemala.	Plum	64
272792.	1306.	San Salvador, El Salvador.	Plum	20.5
272793.	1307.	San Salvador, El Salvador.	Plum	
272794.	1308.	San Salvador, El Salvador.	Plum	38
272795.	1309.	La Palma, El Salvador.	Plum	27.5
272796.	1310.	La Palma, El Salvador.	Plum	26
272797.	1311.	La Palma, El Salvador.	Plum	45.5
272798.	1312.	Sonsonate, El Salvador.	Plum	25
272799.	1313.	Sonsonate, El Salvador.	Plum	34
272800.	1314.	Sonsonate, El Salvador.	Plum	
272801.	1315.	Sonsonate, El Salvador.	Plum	
272802.	1316.	Sonsonate, El Salvador.	Plum	18
272803.	1317.	Sonsonate, El Salvador.	Plum	18
272804.	1318.	Jayaque, El Salvador.	Plum	28
272805.	1319.	Jayaque, El Salvador.	Plum	22.5
272806.	1320.	Jayaque, El Salvador.	Plum	14
272807.	1321.	Jayaque, El Salvador.	Plum	28
272808.	1322.	Jayaque, El Salvador.	Plum	31
272809.	1323.	Jayaque, El Salvador.	Plum	33
272810.	1324.	Comasagua, El Salvador.	Plum	22.5
272811.	1325.	Comasagua, El Salvador.	Plum	37

## 272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272812.	1326.	Tegucigalpa, Honduras.	Plum	13
272813.	1327.	Nahuizalco, El Salvador.	Plum	16
272814.	1328.	Nahuizalco, El Salvador.	Plum	
272815.	1329.	Juayua, El Salvador.	Plum	28
272816.	1330.	Juayua, El Salvador.	Plum	21
272817.	1331.	Santa Tecla, El Salvador.	Plum	29.5
272818.	1332.	Santa Tecla, El Salvador.	Plum	29
272819.	1333.	La Palma, El Salvador.	Plum	
272820.	1334.	La Palma, El Salvador.		31
272821.	1335.	San Francisco-Gotera, El Salvador.		61
272822.	1336.	San Francisco-Gotera, El Salvador.		19
272823.	1337.	San Francisco-Gotera, El Salvador.	Plum	43
272824.	1338.	San Francisco-Gotera, El Salvador.	Plum	34
272825.	1339.	San Francisco-Gotera, El Salvador.		17
272826.	1340.	Yoloaiquin, El Salvador.		33
272827.	1341.	Yoloaiquin, El Salvador.		54
272828.	1342.	Izalco, El Salvador.	Plum	45
272829.	1343.	Izalco, El Salvador.	Plum	30
272830.	1344.	Izalco, El Salvador.	Long	
272831.	1345.	Izalco, El Salvador.	Plum	24
272832.	1346.	Izalco, El Salvador.	Plum	41
272833.	1347.	Sonsonate, El Salvador.	Plum	25
272834.	1348.	Sonsonate, El Salvador.	Plum	28
272835.	1349.	Sonsonate, El Salvador.	Plum	20
272836.	1350.	Sonsonate, El Salvador.	Plum	33
272837.	1351.	Sonsonate, El Salvador.	Plum	18.5
272838.	1352.	Sonsonate, El Salvador.	Plum	26
272839.	1353.	Sonsonate, El Salvador.	Plum	28
272840.	1354.	Sonsonate, El Salvador.	Plum	35
272841.	1355.	Sonsonate, El Salvador.	Plum	
272842.	1356.	Sonsonate, El Salvador.	Plum	34
272843.	1357.	Sonsonate, El Salvador.	Plum	31
272844.	1358.	Acajutla, El Salvador.	Plum	
272845.	1359.	Jayaque, El Salvador.	Plum	
272846.	1360.	Jayaque, El Salvador.	Plum	
272847.	1361.	Jayaque, El Salvador.	Plum	
272848.	1362.	Jayaque, El Salvador.	Plum	

## 272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272849.	1363.	Jayaque, El Salvador.	Plum	21.5
272850.	1364.	Comasagua, El Salvador.	Plum	21
272851.	1365.	Comasagua, El Salvador.	Plum	
272852.	1366.	Comasagua, El Salvador.	Plum	
272853.	1367.	Comasagua, El Salvador.	Plum	22
272854.	1368.	Comasagua, El Salvador.	Plum	
272855.	1369.	Comasagua, El Salvador.	Plum	
272856.	1370.	Tegucigalpa, Honduras.	Plum	16
272857.	1371.	Tegucigalpa, Honduras.	Plum	17
272858.	1372.	Tegucigalpa, Honduras.	Plum	
272859.	1373.	Cojutepeque, El Salvador.		
272860.	1374.	Cojutepeque, El Salvador.	Plum	
272861.	1375.	Cojutepeque, El Salvador.	Plum	62
272862.	1376.	Cojutepeque, El Salvador.	Plum	
272863.	1377.	Cojutepeque, El Salvador.	Plum	33
272864.	1378.	Juayua, El Salvador.	Plum	29
272865.	1379.	Juayua, El Salvador.	Plum	29
272866.	1380.	Juayua, El Salvador.	Plum	
272867.	1381.	Juayua, El Salvador.	Plum	21
272868.	1382.	Nahuizalco, El Salvador.	Plum	
272869.	1383.	Nahuizalco, El Salvador.	Plum	
272870.	1384.	Nahuizalco, El Salvador.	Plum	23
272871.	1385.	Ahuachapan, El Salvador.	Plum	
272872.	1386.	Ahuachapan, El Salvador.		36
272873.	1387.	Ahuachapan, El Salvador.	Plum	17
272874.	1388.	Ahuachapan, El Salvador.	Plum	23
272875.	1389.	Ahuachapan, El Salvador.	Plum	2
272876.	1390.	Ahuachapan, El Salvador.	Plum	39
272877.	1391.	Ahuachapan, El Salvador.	Plum	17
272878.	1392.	Huehuetenango, Guatemala.		
272879.	1393.	Huehuetenango, Guatemala.		67
272880.	1394.	Huehuetenango, Guatemala.		39
272881.	1395.	Quezaltenango, Guatemala.		38
272882.	1396.	Atitlan, Guatemala.		198
272883.	1397.	Atitlan, Guatemala.		39
272884.	1398.	Atitlan, Guatemala.	Plum	48
272885.	1399.	Atitlan, Guatemala.	Plum	32
272886.	1400.	Chichicastenango, Guatemala.		26
272887.	1401.	San Salvador, El Salvador.		18
272888.	1402.	Izalco, El Salvador.		60



## 272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272889.	1403.	Ahuachapan, El Salvador.		108
272890.	1404.	Quetzaltenango, Guatemala.		70
272891.	1405.	Quetzaltenango, Guatemala.		32
272892.	1406.	Huehuetenango, Guatemala.		44
272893.	1407.	San Francisco-Gotera, El Salvador.		22
272894.	1408.	Comasagua, El Salvador.		33
272895.	1409.	San Salvador, El Salvador.		38
272896.	1410.	Atitlan, Guatemala.		25
272897.	1411.	San Salvador, El Salvador.		21
272898.	1412.	Huehuetenango, Guatemala.		45
272899.	1413.	Huehuetenango, Guatemala.		74
272900.	1414.	Santa Tecla, El Salvador.	Plum	
272901.	1415.	Santa Tecla, El Salvador.		34
272902.	1416.	Santa Tecla, El Salvador.		40
272903.	1417.	Santa Tecla, El Salvador.		20
272904.	1418.	San Francisco-Gotera, El Salvador.		70
272905.	1419.	San Francisco-Gotera, El Salvador.		71
272906.	1420.	San Francisco-Gotera, El Salvador.	Plum	49
272907.	1421.	Yoloaiquin, El Salvador.		50
272908.	1422.	Yoloaiquin, El Salvador.	Plum	36
272909.	1423.	Izalco, El Salvador.	Plum	21
272910.	1424.	Sonsonate, El Salvador.	Plum	23
272911.	1425.	Sonsonate, El Salvador.	Plum	36
272912.	1426.	Sonsonate, El Salvador.	Plum	25
272913.	1427.	Sonsonate, El Salvador.	Plum	65
272914.	1428.	Sonsonate, El Salvador.	Plum	37
272915.	1429.	Sonsonate, El Salvador.	Plum	37
272916.	1430.	Sonsonate, El Salvador.	Plum	32
272917.	1431.	Sonsonate, El Salvador.	Plum	48
272918.	1432.	Sonsonate, El Salvador.		36
272919.	1433.	Sonsonate, El Salvador.		25
272920.	1434.	Sonsonate, El Salvador.	Plum	38
272921.	1435.	Sonsonate, El Salvador.	Plum	21
272922.	1436.	Sonsonate, El Salvador.	Plum	28
272923.	1437.	Acajutla, El Salvador.	Plum	33
272924.	1438.	Acajutla, El Salvador.	Plum	34
272925.	1439.	Comasagua, El Salvador.	Plum	27

## 272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272926.	1440.	Comasagua, El Salvador.	Plum	30
272927.	1441.	Comasagua, El Salvador.	Plum	36
272928.	1442.	Tegucigalpa, Honduras.	Plum	43
272929.	1443.	Tegucigalpa, Honduras.		34
272930.	1444.	Tegucigalpa, Honduras.	Long	33
272931.	1445.	Cojutepeque, El Salvador.		30
272932.	1446.	Cojutepeque, El Salvador.	Pear	90
272933.	1447.	Santa Ana, El Salvador.	Plum	45
272934.	1448.	Santa Ana, El Salvador.		48
272935.	1449.	Juayua, El Salvador.		
272936.	1450.	Juayua, El Salvador.	Plum	31
272937.	1451.	Atitlan, Guatemala.		25
272938.	1452.	Atitlan, Guatemala.		56.5
272939.	1453.	Chichicastenango, Guatemala.		49
272940.	1454.	Chichicastenango, Guatemala.		34
272941.	1455.	Chichicastenango, Guatemala.		19
272942.	1456.	Chichicastenango, Guatemala.		28
272943.	1457.	Comapa, Guatemala.		35
272944.	1458.	San Tecla, El Salvador.	Long	19
272945.	1459.	La Palma, El Salvador.	Plum	32
272946.	1460.	Comasagua, El Salvador.	Long	24
272947.	1461.	Tegucigalpa, Honduras.	Long	40
272948.	1462.	Tegucigalpa, Honduras.	Long	28
272949.	1463.	San Salvador, El Salvador.		28
272950.	1464.	San Salvador, El Salvador.	Long	22
272951.	1465.	San Salvador, El Salvador.	Long	28
272952.	1466.	San Salvador, El Salvador.	Long	27
272953.	1467.	San Salvador, El Salvador.		56
272954.	1468.	San Salvador, El Salvador.	Long	
272955.	1469.	Metapan, El Salvador.	Plum	42
272956.	1470.	Atitlan, Guatemala.	Long	47
272957.	1471.	Atitlan, Guatemala.	Long	27
272958.	1472.	Atitlan, Guatemala.	Long	33
272959.	1473.	Atitlan, Guatemala.	Plum	37
272960.	1474.	Atitlan, Guatemala.	Long	29
272961.	1475.	Chichicastenango, Guatemala.	Long	26
272962.	1476.	Chichicastenango, Guatemala.	Long	38
272963.	1477.	Tegucigalpa, Honduras.	Plum	18.5
272964.	1478.	Cojutepeque, El Salvador.	Long	40
272965.	1479.	Cojutepeque, El Salvador.	Long	52

## 272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
272966.	1480.	San Salvador, El Salvador.	Pear	26
272967.	1481.	Santa Ana, El Salvador.	Long	50
272968.	1482.	Santa Tecla, El Salvador.		50
272969.	1483.	Santa Tecla, El Salvador.	Plum	35.5
272970.	1484.	Santa Tecla, El Salvador.	Plum	28
272971.	1485.	Santa Tecla, El Salvador.	Long	33.5
272972.	1486.	Citala, El Salvador.	Plum	25
272973.	1487.	Citala, El Salvador.	Plum	19.5
272974.	1488.	San Francisco-Gotera, El Salvador.		44
272975.	1489.	Izalco, El Salvador.	Plum	25
272976.	1490.	Izalco, El Salvador.	Plum	24
272977.	1491.	Izalco, El Salvador.	Plum	
272978.	1492.	Izalco, El Salvador.	Pear	
272979.	1493.	Acajutla, El Salvador.		29
272980.	1494.	Comasagua, El Salvador.		
272981.	1495.	Comasagua, El Salvador.	Plum	65
272982.	1496.	Tegucigalpa, Honduras.	Plum	43
272983.	1497.	Ahuachapan, El Salvador.	Plum	
272984.	1498.	Atitlan, Guatemala.	Plum	
272985.	1499.	Atitlan, Guatemala.	Long	
272986.	1500.	Atitlan, Guatemala.	Pear	54
272987.	1501.	Atitlan, Guatemala.	Plum	34
272988.	1502.	Chichicastenango, Guatemala.		25
272989.	1503.	Chichicastenango, Guatemala.	Plum	24
272990.	1504.	Chichicastenango, Guatemala.	Plum	
272991.	1505.	Jayaque, El Salvador.	Plum	
272992.	1506.	Cojutepeque, El Salvador.	Pear	47
272993.	1507.	Cojutepeque, El Salvador.	Plum	31
272994.	1508.	Cojutepeque, El Salvador.	Long	
272995.	1509.	Cojutepeque, El Salvador.	Pear	
272996.	1510.	Cojutepeque, El Salvador.	Pear	29.7
272997.	1511.	Cojutepeque, El Salvador.	Long	47.1
272998.	1512.	Cojutepeque, El Salvador.	Pear	43
272999.	1513.	Cojutepeque, El Salvador.	Long	39
273000.	1514.	Cojutepeque, El Salvador.	Long	35.6
273001.	1515.	Cojutepeque, El Salvador.		59
273002.	1516.	Cojutepeque, El Salvador.		40.5
273003.	1517.	Cojutepeque, El Salvador.		50.1
273004.	1518.	Santa Ana, El Salvador.	Long	46.4



## 272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
273005.	1519.	Santa Ana, El Salvador.	Pear	38
273006.	1520.	Santa Ana, El Salvador.	Pear	
273007.	1521.	Santa Ana, El Salvador.	Pear	
273008.	1522.	Santa Ana, El Salvador.	Pear	59.5
273009.	1523.	Santa Ana, El Salvador.	Pear	52
273010.	1524.	Santa Ana, El Salvador.	Pear	49.5
273011.	1525.	Atitlan, Guatemala.	Plum	71
273012.	1526.	Comapa, Guatemala.		52.5
273013.	1527.	San Salvador, El Salvador.		87
273014.	1528.	Cojutepeque, El Salvador.		
273015.	1529.	Santa Ana, El Salvador.		41
273016.	1530.	Santa Ana, El Salvador.	Pear	53.5
273017.	1531.	Santa Ana, El Salvador.		53.5
273018.	1532.	San Salvador, El Salvador.		37.5
273019.	1533.	San Salvador, El Salvador.		47.2
273020.	1534.	Santa Tecla, El Salvador.	Long	27
273021.	1535.	Santa Tecla, El Salvador.	Plum	44.3
273022.	1536.	San Francisco-Gotera, El Salvador.	Pear	23
273023.	1537.	Izalco, El Salvador.	Long	30
273024.	1538.	Izalco, El Salvador.	Plum	30.5
273025.	1539.	Izalco, El Salvador.		50
273026.	1540.	Izalco, El Salvador.	Long	26
273027.	1541.	Acajutla, El Salvador.		20
273028.	1542.	Acajutla, El Salvador.	Plum	28
273029.	1543.	Chichicastenango, Guatemala.	Plum	50.2
273030.	1544.	Chichicastenango, Guatemala.		42
273031.	1545.	La Palma, El Salvador.		50
273032.	1546.	La Palma, El Salvador.		61
273033.	1547.	La Palma, El Salvador.	Plum	18
273034.	1548.	San Francisco-Gotera, El Salvador.		56
273035.	1549.	San Francisco-Gotera, El Salvador.		38
273036.	1550.	San Francisco-Gotera, El Salvador.		49
273037.	1551.	San Francisco-Gotera, El Salvador.		49
273038.	1552.	San Francisco-Gotera, El Salvador.		28.2
273039.	1553.	Yoloaiquin, El Salvador.		33
273040.	1554.	Yoloaiquin, El Salvador.		33

## 272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
273041.	1555.	Yoloaiquin, El Salvador.		35
273042.	1556.	Osicala, El Salvador.		43
273043.	1557.	Osicala, El Salvador.		31
273044.	1558.	Isalco, El Salvador.		69
273045.	1559.	Comasagua, El Salvador.	Plum	32
273046.	1560.	Tegucigalpa, Honduras.		74
273047.	1561.	Santa Ana, El Salvador.		100
273048.	1562.	Santa Ana, El Salvador.	Plum	47
273049.	1563.	Huehuetenango, Guatemala.		66
273050.	1564.	Huehuetenango, Guatemala.		75
273051.	1565.	Quezaltenango, Guatemala.		74
273052.	1566.	Quezaltenango, Guatemala.		43
273053.	1567.	Quezaltenango, Guatemala.		64
273054.	1568.	Metapan, El Salvador.	Plum	33
273055.	1569.	Atitlan, Guatemala.		29
273056.	1570.	Atitlan, Guatemala.		68
273057.	1571.	San Salvador, El Salvador.		74
273058.	1572.	San Salvador, El Salvador.		69.1
273059.	1573.	Acajutla, El Salvador.		44
273060.	1574.	Santa Ana, El Salvador.		44
273061.	1575.	Santa Ana, El Salvador.		67.4
273062.	1576.	Santa Ana, El Salvador.		79
273063.	1577.	Santa Ana, El Salvador.		50.9
273064.	1578.	Santa Ana, El Salvador.		69.5
273065.	1579.	Santa Ana, El Salvador.		
273066.	1580.	Santa Ana, El Salvador.		30
273067.	1581.	San Francisco-Gotera, El Salvador.		37
273068.	1582.	San Francisco-Gotera, El Salvador.		59.7
273069.	1583.	La Palma, El Salvador.		53
273070.	1584.	Santa Tecla, El Salvador.		42.3
273071.	1585.	Santa Tecla, El Salvador.		38
273072.	1586.	Santa Tecla, El Salvador.		57.3
273073.	1587.	Izalco, El Salvador.		45.7
273074.	1588.	Izalco, El Salvador.		61
273075.	1589.	Sonsonate, El Salvador.		35
273076.	1590.	Sonsonate, El Salvador.		34
273077.	1591.	Santa Ana, El Salvador.		54.6
273078.	1592.	Santa Ana, El Salvador.		86.7

## 272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
273079.	1593.	Quezaltenango, Guatemala.		27
273080.	1594.	Quezaltenango, Guatemala.		34.5
273081.	1595.	Quezaltenango, Guatemala.		25
273082.	1596.	Quezaltenango, Guatemala.		66.8
273083.	1597.	Chichicastenango, Guatemala.		46
273084.	1598.	Chichicastenango, Guatemala.		56.5
273085.	1599.	Santa Tecla, El Salvador.		89.3
273086.	1600.	Quezaltenango, Guatemala.		68.5
273087.	1601.	Atitlan, Guatemala.		67
273088.	1602.	Chichicastenango, Guatemala.		90
273089.	1603.	Santa Tecla, El Salvador.		28.1
273090.	1604.	San Francisco-Gotera, El Salvador.		48.5
273091.	1605.	San Francisco-Gotera, El Salvador.		13
273092.	1606.	San Francisco-Gotera, El Salvador.		20
273093.	1607.	Comapa, Guatemala.		77
273094.	1608.	La Palma, El Salvador.		35
273095.	1609.	San Francisco-Gotera, El Salvador.		51
273096.	1610.	Atitlan, Guatemala.		43
273097.	1611.	Comasagua, El Salvador.		22
273098.	1612.	Chichicastenango, Guatemala.		73
273099.	1613.	Tegucigalpa, Honduras.		61
273100.	1614.	El Rincon, El Salvador.		38
273101.	1615.	Quezaltenango, Guatemala.		
273102.	1616.	Quezaltenango, Guatemala.		
273103.	1617.	Atitlan, Guatemala.		24.5
273104.	1618.	Atitlan, Guatemala.		63
273105.	1619.	Yolciquin, El Salvador.		73
273106.	1620.	Metapan, El Salvador.	Plum	80
273107.	1621.	Metapan, El Salvador.		75
273108.	1622.	Santa Ana, El Salvador.		29.3
273109.	1623.	Ahuachapan, El Salvador.		28.5
273110.	1624.	San Salvador, El Salvador.		52.5
273111.	1625.	Santa Tecla, El Salvador.		41.5
273112.	1626.	Izalco, El Salvador.		27.1
273113.	1627.	Izalco, El Salvador.		70
273114.	1628.	Quezaltenango, Guatemala.		78.5
273115.	1629.	Santa Tecla, El Salvador.		41.5



## 272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
273116.	1630.	Santa Tecla, El Salvador.		35
273117.	1631.	Santa Tecla, El Salvador.		61
273118.	1632.	Santa Tecla, El Salvador.		50
273119.	1633.	Santa Tecla, El Salvador.		59
273120.	1634.	Santa Tecla, El Salvador.		48
273121.	1635.	La Palma, El Salvador.	Plum	17.5
273122.	1636.	Quezaltenango, Guatemala.		80
273123.	1637.	Quezaltenango, Guatemala.		99
273124.	1638.	Quezaltenango, Guatemala.		78
273125.	1639.	Izalco, El Salvador.		48.5
273126.	1640.	Izalco, El Salvador.		70
273127.	1641.	Izalco, El Salvador.		69.5
273128.	1642.	Izalco, El Salvador.		50
273129.	1643.	Izalco, El Salvador.		58
273130.	1644.	Huehuetenango, Guatemala.		57
273131.	1645.	Metapan, El Salvador.		37.5
273132.	1646.	Huehuetenango, Guatemala.		131
273133.	1647.	San Salvador, El Salvador.		69
273134.	1648.	San Francisco-Gotera, El Salvador.		29.5
273135.	1649.	Quezaltenango, Guatemala.		58
273136.	1650.	Metapan, El Salvador.	Long	103
273137.	1651.	Atitlan, Guatemala.		150
273138.	1652.	Huehuetenango, Guatemala.		71
273139.	1653.	Huehuetenango, Guatemala.		49
273140.	1654.	Huehuetenango, Guatemala.		91
273141.	1655.	Huehuetenango, Guatemala.		111
273142.	1656.	Huehuetenango, Guatemala.		70
273143.	1657.	Huehuetenango, Guatemala.		83
273144.	1658.	Huehuetenango, Guatemala.		61.5
273145.	1659.	Huehuetenango, Guatemala.		94
273146.	1660.	Quezaltenango, Guatemala.		27
273147.	1661.	Quezaltenango, Guatemala.		36
273148.	1662.	Huehuetenango, Guatemala.		52
273149.	1663.	Quezaltenango, Guatemala.		51
273150.	1664.	Quezaltenango, Guatemala.		105
273151.	1665.	Quezaltenango, Guatemala.		49
273152.	1666.	Quezaltenango, Guatemala.		101
273153.	1667.	Quezaltenango, Guatemala.		34
273154.	1668.	Quezaltenango, Guatemala.		130

## 272626 to 273188—Continued

<i>P.I. No.</i>	<i>Schwanitz Col. No.</i>	<i>Origin</i>	<i>Fruit shape</i>	<i>Fruit weight (grams)</i>
273155.	1669.	Quezaltenango, Guatemala.		48
273156.	1670.	Quezaltenango, Guatemala.		90
273157.	1671.	Quezaltenango, Guatemala.		51.5
273158.	1672.	San Salvador, El Salvador.	Plum	32
273159.	1673.	La Palma, El Salvador.		10
273160.	1674.	Yoloaiquin, El Salvador.		68
273161.	1675.	Izalco, El Salvador.		30
273162.	1676.	Izalco, El Salvador.		37
273163.	1677.	Acajutla, El Salvador.	Plum	20
273164.	1678.	Acajutla, El Salvador.		43.5
273165.	1679.	Jayaque, El Salvador.	Plum	23.5
273166.	1680.	Ahuachapan, El Salvador.	Plum	13.5
273167.	1681.	Atitlan, Guatemala.		79
273168.	1682.	San Andres, Guatemala.	Long	38.5
273169.	1683.	San Andres, Guatemala.		2.3
273170.	1684.	San Andres, Guatemala.		3.5
273171.	1685.	San Andres, Guatemala.		
273172.	1686.	San Andres, Guatemala.		3.4
273173.	1687.	San Andres, Guatemala.		3.95
273174.	1688.	San Andres, Guatemala.		3.7
273175.	1689.	San Andres, Guatemala.		2.96
273176.	1690.	San Andres, Guatemala.		2.2
273177.	1691.	San Andres, Guatemala.		
273178.	1692.	San Andres, Guatemala.		3.1
273179.	1693.	San Andres, Guatemala.		
273180.	1694.	San Andres, Guatemala.		3.27
273181.	1695.	San Andres, Guatemala.		4.33
273182.	1696.	San Andres, Guatemala.	Pear	60
273183.	1697.	San Andres, Guatemala.		3
273184.	1698.	San Andres, Guatemala.		2.2
273185.	1699.	San Andres, Guatemala.		3.0
273186.	1700.	San Andres, Guatemala.		3.5
273187.	1701.	San Andres, Guatemala.		2.2
273188.	1702.	United States. 'Caro Red' type.		96

## 273189 to 273194.

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 20, 1961.

273189. *ACACIA HORRIDA* (L.) Willd. Mimosaceae.

Col. No. 18909. Nine miles south of Hofmeyer, Middleburg District, Cape Province. Elevation 3,500 feet. Abundant, low, spreading, symmetrical tree; thorns large; flowers yellow.

**273189 to 273194—Continued**

**273190.** *ASPARAGUS FALCATUS* L. Convallariaceae.

Col. No. 18730. Fireburn on coarse granitic soil, 20 miles west of Worcester, Cape Province. Erect, polypodial perennial branches arching.

**273191.** *ASPARAGUS* sp.

Col. No. 18675. Sandy coastal plain 25 miles south of Vredendal, Cape Province. Heavy fruiting, viny, perennial.

**273192.** *CUCUMIS AFRICANUS* L. f. Cucurbitaceae.

Col. No. 19077. Rocky arroyo along highway, 94 miles southwest of Beaufort West, Cape Province. Perennial ground vine; fruits prickly, turning light yellow when ripe.

**273193.** *PHASEOLUS VULGARIS* L. Fabaceae.

Col. No. 18820. 'Sweetbean'. Worcester, Cape Province. Cultivated.

**273194.** Undetermined.

Col. No. 19015. Sandstone area, Piquetburg Mountain, Piquetburg District, Cape Province. Elevation 3,000 feet. Low, spreading, unarmed perennial; leaves dissected, asparaguslike, fruits hairy.

**273195 to 273202.**

From Rumania. Seeds presented by the Gardina Botanica a Universitatii, Cluj. Received March 20, 1961.

**273195.** *DICTAMNUS ALBUS* L. Rutaceae. Gasplant.

**273196.** *ERYTHROCHITON BRASILIENSIS* Nees & Mart. Rutaceae.

**273197.** *EVODIA HUPEHENSIS* Dode Rutaceae. Evodia.

**273198.** *PHELLODENDRON AMURENSE* Rupr. Rutaceae. Amur corktree.

**273199.** *PHELLODENDRON CHINESE* C. K. Schneider

**273200.** *PHELLODENDRON JAPONICUM* Maxim.

**273201.** *RUTA CHALEPENSIS* var. *TENUIFOLIA* d'Urv. Rutaceae.

**273202.** *RUTA GRAVEOLENS* L. Common rue.

**273203. LACTUCA MACROPHYLLA (Willd.) Gray Cichoriaceae.**

From Norway. Seeds presented by the Botanic Garden, University of Oslo, Oslo. Received March 20, 1961.

**273204 to 273206.**

From Great Britain. Seeds presented by the Chelsea Physic Garden, London, England. Received March 20, 1961.

**273204.** *LACTUCA ALPINA* (L.) Benth & Hook. Cichoriaceae.

**273205.** *LACTUCA SATIVA* L.

**273206.** *LACTUCA VIROSA* L.

**273207 to 273209. PISUM ELATIUS Bieb. Fabaceae.**

**Mediterranean pea.**

From Germany. Seeds presented by the Institut fur Kulturpflanzenforschung der Deutschen Akademie der Wissenschaften zu Berlin. Received March 20, 1961.

**273207.** 9006/60. From Sofia, Bulgaria.

**273208.** 9008/60. From Sacavem, Portugal.

**273209.** 9009/60. From Leningrad, U.S.S.R.



**273210 to 273212. ALLIUM CEPA L. Liliaceae.****Onion.**

From Poland. Seeds presented by the Plant Breeding Institute, Weyssenhoffa, Bydgoszcz. Received March 20, 1961.

273210. 4/9/4/5/3/2 Nochowska line.

273211. 6/4/7/3/1/3/16 Nochowska line.

273212. 'Zytawska'. Commercial variety.

**273213 to 273220. FRAGARIA VESCA L. Rosaceae.****European strawberry.**

From France. Seeds presented by the Station d'Amelioration des Plantes Maraicheres, Montfavit. Received March 20, 1961.

273213. 'Belle de Meaux'. Produces many stolons.

273214. 'Cinquantennaire de Georges Truffant'. Without stolons; reproduced by seeds and stem cuttings.

273215. 'La Brillante'.

273216. 'La Parfumee'. Produces numerous stolons.

273217. 'Nec Plus Ultra'. Produces numerous stolons.

273218. 'Reine des Quatre Saisons'.

273219. 'Reine des Valles'. Without stolons; reproduced by seeds or stem cuttings.

273220. 'Reine des Valles Blanc'.

**273221 to 273223. CHRYSANTHEMUM (hybrids). Asteraceae.**

From China. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Presented by the National Taiwan University, Taipei, Taiwan. Numbered March 21, 1961.

273221. Taiwan No. 5. 'Yushan'. White standard, nine weeks summer, eight weeks winter variety.

273222. Taiwan No. 7. 'Autumn Hut'. Yellow standard, eight weeks winter variety.

273223. Taiwan No. 12. 'Autumn'. Yellow standard, nine weeks summer, eight weeks winter variety.

**273224 to 273240.**

From the Netherlands. Seeds presented by the Forest Research Institute, Javalaan, Baarn. From the Himalayas. Received March 21, 1961.

273224. ANEMONE VITIFOLIA Buch.-Ham ex DC. Ranunculaceae.

**Grapeleaf anemone.**

Binsar. Elevation 7,500 feet.

273225. ANDROSACE LANGUINOSA Wall. Primulaceae.

Nachar. Elevation 9,200 feet. Plant hairy.

273226. ASTER sp. Asteraceae.

Elevation 10,300 feet.

273227. COTONEASTER ACUMINATA Lindl. Malaceae.

Elevation 10,000 feet.

273228. COTONEASTER sp.

Forest resthouse, Mandali. Elevation 8,400 feet.

273229. DELPHINIUM VESTITUM Wall. Ranunculaceae.

Elevation 10,300 feet.

**273224 to 273240—Continued**

**273230.** *DEUTZIA* sp. Hydrangaceae.

Naini Tal. Elevation 6,000 feet.

**273231.** *HYMENOPOGON PARASITICUS* Wall. Rubiaceae.

Darjeeling. Epiphyte.

**273232.** *KALANCHOE* sp. Crassulaceae.

Pangot, near Naini Tal. Elevation 5,500 feet.

**273233.** *LACTUCA MACRORHIZA* (Royle) Hook f. Cichoriaceae.

Elevation 10,500 feet.

**273234.** *LONICERA* sp. Caprifoliaceae.

No. 1. Elevation 10,000 feet.

**273235.** *LONICERA* sp.

No. 2. Bari, Sutlej Valley. Elevation 9,540 feet.

**273236.** *MORINA PERSICA* L. Dipsacaceae.

**273237.** *POTENTILLA FRUTICOSA* L. Rosaceae.

Shrubby cinquefoil.

Elevation 10,300 feet.

**273238.** *RHUS* sp. Anacardiaceae.

Nachar. Elevation 8,200 feet.

**273239.** *SOLANUM INDICUM* L. Solanaceae.

Pangot, near Maini Tal. Elevation 5,500 feet.

**273240.** *VIBURNUM* sp. Caprifoliaceae.

Riknar Gad. Elevation 7,900 feet.

**273241 to 273245.**

From Great Britain. Plants established at the National Arboretum, Washington, D. C. Presented by Fisk's Clematis Nursery, Westleton, Suffolk, England. Numbered March 22, 1961.

**273241 and 273242.** *CLEMATIS* (hybrids). Ranunculaceae.

**273241.** 'Madame Grange'.

**273242.** 'Mrs. George Jackman'.

**273243.** *CLEMATIS FLORIDA* f. *SIEBOLDII* (D. Don) Rehder

**273244.** *CLEMATIS HERACLEIFOLIA* var. *DAVIDIANA* (Verlot) Hemsley

**273245.** *CLEMATIS INTEGRIFOLIA* L.

'Hendersoni'.

**273246 to 273263.**

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 22, 1961.

**273246.** *ARISTIDA NAMAQUENSIS* (Nees) Trin. & Rupr. Poaceae.

Col. No. 18910. Sand hammocks, Naauwpoort, Middleburg District, Cape Province. Elevation 4,000 feet. Bushy, sand-holding, xerophytic perennial.

**273247.** *EHRHARTA CALYCINA* J. E. Smith Poaceae.

Perennial veldt grass.

Col. No. 18755. Rocky granitic slope, 10 miles northeast of Worcester, Cape Province. Elevation 2,500 feet. Plant well tufted.

**273246 to 273263—Continued**

**273248.** *EHRHARTA LONGIFOLIA* Schad.

Col. No. 18999. Dry, stony slope, Dutoits Kloof, Worcester District, Cape Province. Perennial to three feet high, nearly leafless xerophytic.

**273249.** *EHRHARTA VILLOSA* Schult. f.

Col. No. 18785. Fairy Glen, eight miles northeast of Worcester, Cape Province. Culms tall with little foliage.

**273250.** *ERAGROSTIS BICOLOR* Nees Poaceae.

Col. No. 18903. Five miles southeast of Middleburg, Cape Province, Cradock road. Elevation 4,000 feet. Large tufted grass forming complete cover under protected range conditions. Rainfall 10 to 15 inches in summer.

**273251.** *ERAGROSTIS CHLOROMELAS* Steud. **Boer lovegrass.**

Col. No. 18930. Along new highway, 26 miles south of Middleton, Somerset East District, Cape Province. Elevation 1,250 feet. Tufted xerophytic perennial with palatable leaves.

**273252.** *ERAGROSTIS OBTUSA* Munro

Col. No. 18929. Twenty-six miles south of Middleton, Somerset East District, Cape Province. Elevation 1,250 feet. Drought-resistant tufted perennial; leaves palatable.

**273253.** *FINGERHUTHIA AFRICANA* Lehm. Poaceae.

Col. No. 18904. Along road to Cradock, 12 miles southeast of Middleburg, Cape Province. Elevation 4,000 feet. Perennial range grass; tufts large leaved.

**273254.** *LIMEUM AETHIOPICUM* Burm. f. Phytolaccaceae.

Col. No. 18928. Middleton. Perennial spreading herb; flowers white; liked by sheep.

**273255.** *PASPALUM DILATATUM* Poir. Poaceae. **Dallisgrass.**

Col. No. 18979. Ditch bank, Veld Reserve, Worcester, Cape Province. Elevation 2,000 feet. Rhizomatous perennial; culms long, from leafy base.

**273256.** *CENCHRUS CILIARIS* L. Poaceae.

Col. No. 18923. Roadside, two miles south of Cookhouse, Cape Province, Somerset East District. Leafy, spreading bunchgrass.

**273257.** *PENNISETUM MACROURUM* Trin.

Col. No. 18978. Ditch bank, Veld Reserve, Worcester, Cape Province. Elevation 2,000 feet. Tall, tough, bunchgrass susceptible to ergot.

**273258.** *PENTASCHISTIS* sp. Poaceae.

Col. No. 18784. Rocky ground, Fairy Glen, eight miles northeast of Worcester, Cape Province. Vigorous, tufted, xerophytic perennial; leaves borne one foot above ground. Palatable.

**273259.** *SETARIA NEGLECTA* DeWit Poaceae.

Col. No. 18905. Along road to Cradock, 22 miles southwest of Middleburg, Cape Province. Elevation 3,500 feet. Leafy perennial, growing with 12 to 20 inches of summer rain. Tolerant of light frost. Palatable.

**273260.** *STIPA DREGEANA* var. *ELONGATA* (Nees) Stapf Poaceae.

Col. No. 18931. Twenty-six miles south of Middleton, Somerset East District, Cape Province. Elevation 1,250 feet. Vigorous bunchgrass; leaves large.



**273246 to 273263—Continued**273261. *TETRACHNE* sp. Poaceae.

Col. No. 18900. Middleburg, Cape Province. Elevation 4,000 feet. Xerophytic, gramalike grass; tufts leafy, to 15 inches long. Reported excellent pasture but hard to establish through seedling stage.

273262 and 273263. *THEMEDA TRIANDRA* Forsk. Poaceae. **Rooi grass.**

273262. Col. No. 18817. Sandy river bottom three miles south of Worcester, Cape Province. Elevation 2,000 feet. Plants to 30 inches high; tufts leafy.

273263. Col. No. 18841. Rocky slope, seven miles west of Bredasdorp, Cape Province. Plants to 28 inches high; tufts leafy.

**273264 to 273268.**

From Great Britain. Plants presented by the Royal Botanic Garden, Kew, England. Received March 22, 1961.

273264. *LUCULIA GRANDIFOLIA* Ghose. Rubiaceae.273265 to 273267. *RHODODENDRON* (hybrids). Ericaceae.

273265. 'Pink Seedling'.

273266. 'Princess Royal'.

273267. 'Sir George Holford'.

273268. *RHODODENDRON* × *BALSAMIFLORUM* Veitch

'Souvenir de J. H. Mangels'.

**273269 to 273277. ZEA MAYS L. Poaceae.****Corn.**

From Yugoslavia. Seeds presented by the Institute of Farm Crops, Maize Experiment Station, Zemun. Received March 22, 1961.

273269. R-70/3-1-1-1-1.

273274. V312/1-1-9-2-1.

273270. V312/1-1-1-1-1.

273275. V312/1-1-9-2-2.

273271. V312/1-1-8-1-1.

273276. V534/2-1-1-1-1.

273272. V312/1-1-8-1-1.

273277. V534/2-1-1-2.

273273. V312/1-1-8-1-2.

**273278 and 273279.**

From Denmark. Seeds presented by the Universitetets Botanske Museum, Copenhagen. Received March 22, 1961.

273278. *LATHYRUS JAPONICUS* Willd. Fabaceae.273279. *PISUM ELATIUS* Bieb. Fabaceae.**Mediterranean pea.****273280 to 273361. ALOPECURUS PRATENSIS L. Poaceae.****Meadow foxtail.**

From the Netherlands. Seeds presented by the Instituut voor Rassenonderzoek, Wageningen. Received March 22, 1961.

273280. No. 1.

273287. No. 8.

273281. No. 2.

273288. No. 9.

273282. No. 3.

273289. No. 10.

273283. No. 4.

273290. No. 11.

273284. No. 5.

273291. No. 12.

273285. No. 6.

273292. No. 13.

273286. No. 7.

273293. No. 14.

## 273280 to 273361—Continued

273294. No. 15.	273328. No. 49.
273295. No. 16.	273329. No. 50.
273296. No. 17.	273330. No. 51.
273297. No. 18.	273331. No. 52.
273298. No. 19.	273332. No. 53.
273299. No. 20.	273333. No. 54.
273300. No. 21.	273334. No. 55.
273301. No. 22.	273335. No. 56.
273302. No. 23.	273336. No. 57.
273303. No. 24.	273337. No. 58.
273304. No. 25.	273338. No. 59.
273305. No. 26.	273339. No. 60.
273306. No. 27.	273340. No. 61.
273307. No. 28.	273341. No. 62.
273308. No. 29.	273342. No. 63.
273309. No. 30.	273343. No. 64.
273310. No. 31.	273344. No. 65.
273311. No. 32.	273345. No. 66.
273312. No. 33.	273346. No. 67.
273313. No. 34.	273347. No. 68.
273314. No. 35.	273348. No. 69.
273315. No. 36.	273349. No. 70.
273316. No. 37.	273350. No. 71.
273317. No. 38.	273351. No. 72.
273318. No. 39.	273352. No. 73.
273319. No. 40.	273353. No. 74.
273320. No. 41.	273354. No. 75.
273321. No. 42.	273355. No. 76.
273322. No. 43.	273356. No. 77.
273323. No. 44.	273357. No. 78.
273324. No. 45.	273358. No. 79.
273325. No. 46.	273359. No. 80.
273326. No. 47.	273360. No. 81.
273327. No. 48.	273361. No. 82.

## 273362 to 273368.

From Great Britain. Plants purchased from Hillier and Sons, Winchester, England. Received March 22, 1961.

273362. *ABIES FORRESTII* (C.C. Rogers) Craib Pinaceae.  
 273363. *EMBOTHRIUM COCCINEUM* Forst. Proteaceae. Notro.  
 273364. *EMBOTHRIUM LANCEOLATUM* Ruiz & Pav.  
 273365. *ILEX AQUIFOLIUM* L. Aquifoliaceae. English holly.  
     'Serratifolia'.  
 273366. *LOMATIA MYRICOIDES* (Gaertn. f.) Domin. Proteaceae.

**273362 to 273368—Continued****273367.** *MAGNOLIA SARGENTIANA* Rehd. & Wils. Magnoliaceae.**273368.** *MAGNOLIA* × *WATSONII* Hook. f.**273369.** *THEOBROMA CACAO* L. Sterculiaceae.**Cacao.**

From the British West Indies. Seeds presented by the Cocoa Board, Agriculture Department, St. Clair, Port of Spain, Trinidad. Received March 23, 1961.

ICS-1 × SCA 12.

**273370 to 273382.** *TRITICUM AESTIVUM* L. Poaceae.**Common wheat.**

From Canada. Seeds presented by the Cereal Breeding Laboratory, Winnipeg, Manitoba. Numbered March 24, 1961.

**273370 to 273373.** 'Kenya 58' × 'Marquis 6'. Carries the stem rust gene Sr 6 which conditions resistance to races 56 and 56B1.

**273370.** G. N. 1. 2-4-4-5-1. **273372.** G. N. 3. 1-1-3-2-1.

**273371.** G. N. 2. 2-4-4-5-2. **273373.** G. N. 4. 1-1-3-2-6.

**273374 and 273375.** 'Marquis 6' × 'Kenya 117A'. Carries the stem rust gene Sr 9 which conditions resistance to race 56.

**273374.** G. N. 5. 6-3-1-1-2-1-3-1.

**273375.** G. N. 6. 6-3-1-1-2-1-3-2.

**273376 and 273377.** 'Kenya 117A' × 'Marquis 6'. Carries the stem rust gene Sr 7 which conditions moderate resistance to race 15B1.

**273376.** G. N. 7. 3-1-4-3-3.

**273377.** G. N. 8. 3-1-4-3-4.

**273378 and 273379.** 'Egypt Na 101' × 'Marquis 6'. Carries the stem rust gene Sr 7 which conditions moderate resistance to race 15B1.

**273378.** G. N. 9. 3-1-1-1-1-1-4-3-2.

**273379.** G. N. 10. 3-1-1-1-1-1-4-3-5.

**273380.** G. N. 11. 'Marquis 6' × 'Red Egyptian'. 4a-21-1-1-1-1a-3-5-2. Carries the stem rust gene Sr 8 which conditions a 2-type reaction to races 56 and 15B.

**273381 and 273382.** 'Marquis 4' × 'Egypt Na95'. Carries the stem rust gene Sr 10 which conditions a variable moderate type resistance to a few races.

**273381.** G. N. 13. 1-3-1-5-5-2-3-2.

**273382.** G. N. 14. 1-3-1-5-5-2-3-3.

**273383 to 273387.** *JUGLANS REGIA* L. Juglandaceae.**Persian walnut.**

From Hungary. Seeds presented by the United States Legation, Budapest. Received March 24, 1961.

**273383.** E. 1. **273386.** T. 34.

**273384.** E. Csemege. **273387.** T. 56.

**273385.** T. 10.

**273388 to 273392.**

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received March 24, 1961.

**273388 to 273391.** *HIBISCUS SABDARIFFA* L. Malvaceae.

**Roselle.**



**273388 to 273392—Continued****273388 to 273391—Continued**

273388. No. 1. Stem purple-striped; for fiber only.  
 273389. No. 2. Stem green; fruits used for making jam and wine.  
 273390. No. 3. Stem purple; fruits used for making jam and wine.  
 273391. No. 4. 'Paw Keo'.

273392. *HIBISCUS SABDARIFFA* var. *ALTISSIMA* Wester

No. 5. For fiber only.

**273393 to 273411. SACCHARUM (hybrids). Poaceae.****Sugarcane.**

From the United States. Cuttings and stubbles presented by the Hawaiian Sugar Planters Association, Honolulu, Hawaii. Received March 24, 1961.

273393. H.55-9505. (H109 × MOL. 1032).  
 273394. H.55-9968. ('STR. MEX.' × 'GLAGAH W.T.').  
 273395. H.58-9802. (H.55-9581 × H.53-9221).  
 273396. H.58-9820. (H.53-9004 × self).  
 273397. H.58-9822. (H.53-9004 × self).  
 273398. H.58-9828. (H.53-9004 × self).  
 273399. H.58-9829. (H.53-9004 × self).  
 273400. H.58-9832. (H.55-9501 × self).  
 273401. H.58-9835. (H.55-9801 × self).  
 273402. H.58-9837. (H.55-9501 × self).  
 273403. H.58-9841. (H.55-9501 × self).  
 273404. H.58-9846. (H.55-9501 × self).  
 273405. H.58-9850. (H.55-9501 × self).  
 273406. H.58-9851. (H.55-9501 × self).  
 273407. H.59-9890. (H.55-9560 × MOL. 938).  
 273408. H.59-9896. (H.55-9560 × MOL. 938).  
 273409. H.59-9936. (H.55-9560 × H.55-9503).  
 273410. H.59-9961. ('STR. MEX.' × 'GLAGAH W.T.').  
 273411. H.59-9984. (H.55-9611 × 'GLAGAH W.T.').

**273412 to 273414.**

From Japan. Seeds presented by the Government Forest Experiment Station, Okidate, Aomori. Seeds received Sept. 1959, numbered March 24, 1961.

273412. *LONICERA MORROWII* A. Gray Caprifoliaceae.

Morrow honeysuckle.

Mutsu Province.

273413. *PHELLODENDRON SACHALINENSE* Sarg. Rutaceae.

Sakhalin corktree.

Rickuchu Province.

273414. *WEIGELA DECORA* (Nakai) Nakai Caprifoliaceae.

Hitachi Province.

**273415 to 273429.**

From the United States. Seeds held at the United States Regional Plant Introduction Station, Experiment, Georgia. Numbered March 24, 1961.

**273415 to 273421. CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.**

**273415.** 'Long Hot'. From Naples, Italy. Plants to two feet high; fruit to eight inches long, thin, pendent, very hot, maturing midseason.

**273416.** 'Corasella Napali'. From Naples, Italy. Plants to two feet high, heavy bearing, fruit conical, upright, exceedingly hot, maturing midseason; flesh very thick. A good hot sauce pepper.

**273417.** 'Colondo Large'. From Naples, Italy. Plants to 1.5 feet high; fruit to eight inches long, 2.5 inches in diameter at top, red, sweet, pendent, maturing early.

**273418.** 'Sweet Yellow Squash'. Plants to 1.5 feet high; fruit tomato shaped, very large, four lobed, lemon yellow, pendent to upright, maturing midseason; flesh thick, sweet.

**273419.** 'Chili Penguin'. From Argentina, but plant occurs in the wild in much of Central and South America. Plant low, spreading; flowers small white; fruit erect, oval, rust colored, 0.5 inch by 0.3 inch, prolific.

**273420.** 'Christmas Bell'. From the Netherlands. Plant to 20 inches high; flowers large, yellow and white; fruit pungent, pale green ripening to red, pendent, various shaped, ornamental, maturity medium late.

**273421.** 'Alludorlli'. From Naples, Italy. Plants to 18 inches high; fruits to eight inches long and 2.5 inches diameter at top, orange-colored, sweet, maturing early.

**273422. CAPSICUM ANNUUM L.**

C-267. Plants to 16 inches high; fruit conical, 3.5 inches long, red.

**273423 to 273428. CAPSICUM FRUTESCENS L.**

**273423.** C-268. Plants to 14 inches high; fruit conical, 0.5 inch long, red, maturing early.

**273424.** C-269. Plants to one foot high; fruit conical 0.8 inch long, red, maturing early.

**273425.** C-270. Plants to one foot high; fruit conical, 0.5 inch long, red, maturing late.

**273426.** C-271. Plants to 14 inches high; fruit round, 0.3 inch diameter, red.

**273427.** C-272. Plants to two feet high; fruit conical, 0.8 inch long, red.

**273428.** C-273. Plants to 1.5 feet high; fruit conical, 1.5 inches long, red.

**273429. CAPSICUM CHACOENSE Hunz.**

C-274. Plants to 16 inches high; fruit conical, 0.8 inch long, red.

**273430 to 273432.**

From France. Seeds presented by the Jardin Botanique, Institut de Sciences Naturelles, de la Faculte des Sciences, Besancon. Received March 27, 1961.

**273430. LACTUCA PERENNIS L. Cichoriaceae.****273431. LACTUCA SERRIOLA L.****273432. LACTUCA VIROSA L.**

**273433 to 273436. LAGERSTROEMIA INDICA L. Lythraceae.**  
**Common crapemyrtle.**

From India. Cuttings presented by the Royal Agricultural-Horticultural Society of India, Calcutta. Received March 27, 1961.

273433. Flowers deep pink. 273435. 'Lancasteri'.

273434. Flowers deep red. 273436. Lilac.

**273437 to 273452.**

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, New York. Numbered March 27, 1961.

**273437 and 273438. CUCUMIS MELO var. DUDAIM (L.) Naud.**  
 Cucurbitaceae.

**Dudaim melon.**

273437. No. 60-31. G8659. From H. E. Saier, Dimondale, Michigan. Vine of poor vigor, to 40 inches long; fruit 4 by 3 inches, orange, striped brown, no netting, matures early; flesh white, mealy. Very susceptible to mosaic and powdery mildew.

273438. No. 60-32. G9595. 'Queen Anne's Pocket Melon'. From Switzerland, through Toledo, Ohio. Vine to 44 inches long, vigor fair; fruit 2.5 by 2.25 inches, yellow, striped brown, fragrant, matures very early; flesh white. Ornamental.

**273439. CUCUMIS MELO var. INODORUS Naud.**

**Winter melon.**

No. 60-30. G9836. 'Peponic Melon'. From Greece, through Cornell University. Vine to 60 inches long, of good vigor; fruit hairy casaba, 7 by 4.5 inches, long oval, grooved, no netting, midseason variety; seeds light tan.

**273440 to 273442. CUCUMIS MELO var. RETICULATUS Naud. Netted melon.**

273440. No. 60-34. G8299. 'Hardin Bush No. 30'. From Geary, Oklahoma. Determinate vine to 18 inches long; fruit 3.25 by 3 inches, dark green, slightly ribbed, early maturing; flesh orange. Susceptible to mosaic and powdery mildew.

273441. No. 60-35. G8751. 'Crown Set Bush'. From Geary, Oklahoma. Determinate vine to 18 inches long, vigor fair, crown setting; fruit globe, 3.5 by 3.5 inches, slightly grooved, well netted, dark green, early maturing; flesh orange, insipid. Susceptible to mosaic and powdery mildew.

273442. No. 60-36. G1047. 'Montreal'. From Montreal, Quebec, Canada. Vine vigorous, to 50 inches long, prolific; fruit globe to oval, 7 by 5 inches, well netted, medium quality, dark green raised areas on surface, very early. Sibbed.

**273443. LOTUS CORNICULATUS L. Fabaceae.**

**Birdsfoot trefoil.**

No. 60-442. G7359. 'Korean Diploid Kyorggi'. From Mansan, Korea. Plants to five inches high, 20 inches wide, poor vigor,  $2n=12$ ; stems zigzag, many, fine; leaves small; flowers yellow; pods many, extending to base, maturing early. Ornamental. Self-fertile to hand pollination.

**273444 to 273447. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**

273444. No. 60-171. G8755. 'Bushy'. From Oklahoma. Plants to 10 inches high, 20 inches wide, determinate, carries three recessive genes; main stem short, branched, with terminal fruit cluster; fruit globose, 2 by 2.5 inches, three-lobed, clustered about plant center, color fair, quality fair, midseason variety. Adapted to mechanical harvest.

273445. No. 60-174. G10208. 'Nagcarlang'. From Bureau of Plant Industry, Manila, Philippine Islands. Plant erect, stiff, to 49 inches high and 11 inches wide; fruit 1.6 by 2.5 inches, distorted shapes, purple, seven lobed, late maturing. A wild, cold-resistant type with protruding pistils which set fruit under rainy conditions.



**273437 to 273452—Continued****273444 to 273447—Continued**

273446. No. 60-178. G10207. 'Filipino No. 2'. From the Philippine Islands. Plant vigorous, indeterminate, in wild and cultivated; fruit 2 by 3 inches, flat, lobed, rough, proliferated at blossom end, 12 loculed, seedy, green area around seeds, 7 to 8 per cluster, late maturing; flesh red. Pistils do not protrude but sets fruit in humid, rainy climate. Has resistance to late blight.

273447. No. G3301. 'Oroshan'. From the Soviet Union. Fruit red, soft, medium to small, very early, moderately crack resistant. Of doubtful economic value, but may have use in breeding.

**273448. PHASEOLUS COCCINEUS L. Fabaceae. Scarlet runner bean.**

No. 60, gh 24. G9582. 'Mexican Black Bean'. From Mexico. Early pole bean to 10 feet high; flowers scarlet, in racemes; pod flat, green, curved, to five inches long; seeds large, black or reddish brown with black spots, four per pod; hilum white.

**273449. PHASEOLUS LUNATUS L. Lima bean.**

No. 60-248. G10534. 'Hall Lima'. From Hall, New York. Plant half runner, vigorous, to 30 inches high, midseason variety; flowers white, large, frequently in pairs; pods curved, short, broad, rough, prolific, in pairs; seeds three to six per pod, large, white, flattened; hilum depressed. Free from disease.

**273450 to 273452. PHASEOLUS VULGARIS L.**

273450. No. 59-gh 18. G9154. 'Concord Pole'. From Japan. Vigorous, prolific, early pole bean; leaves large; flowers white; pods flat, green, five inches long; seeds white, flecked red, oval, plumb.

273451. No. G7408. 'Maine 99B Maine Yellow Eye'. From Maine. Medium vigor bush bean, good yielder, 91 days to maturity; flowers white; pod 3.25 inches long, flat, straight; seeds white with yellow eye, kidney shaped. Resistant to several strains of anthracnose.

273452. No. G10688. 'Wild Goose Bean'. From Sodus, New York. Vigorous bush bean; pods four inches long, green, with dark purple flecks, constricted; seeds flattened globe, tan to dark brown with black flecks, six to eight per pod; hilum white. Reportedly from the crop of a migrating goose.

**273453 and 273454. SOLANUM PHUREJA Juz. & Buk.****Solanaceae.**

From the United States. Seeds held at the Regional Potato Introduction Station, Sturgeon Bay, Wisconsin. From the John Innes Horticultural Institution, Bayfordbury, England. Numbered March 28, 1961.

273453. No. 1. With seed spot. Genotype P-(BciF).

273454. No. 2. With seed spot. Genotype P-(BdIF).

P=dominant gene conditioning blue pigment in the tuber, sprout and flower.

i=recessive gene which inhibits, in the homozygous condition, the action of P on tuber color.

F=dominant gene conditioning solid color of the flower; the recessive genotype, ff, conditions of flecked flower.

Bc and Bd=dominant allelic genes which, in the presence of P, condition a blue spot at the cotyledonary node of the embryo and seedling. This blue spot is visible in the ungerminated seed.

**273455 to 273457.**

From Great Britain. Cuttings presented by the Gardens, Wakehurst Place, Ardingly, Sussex, England. Received March 28, 1961.

273455. *PIERIS FORMOSA* (Wall.) D. Don Ericaceae.

'Wakehurst'.

273456. *PIERIS FORRESTII* Harrow ex W. W. Smith

'Wakehurst'.

273457. *VIBURNUM TINUS* L. Caprifoliaceae.

**Laurustinus.**

'Eve Price'.

**273458. *MALUS SYLVESTRIS* Mill. Malaceae.**

From Canada. Scions presented by the Research Branch, Canada Department of Agriculture, Kentville, Nova Scotia. Received March 29, 1961.

'Pommis Grise'.

**273459 and 273460. *HIBISCUS SABDARIFFA* L. Malvaceae.**

**Roselle.**

From the Union of South Africa. Seeds presented by the Department of Agriculture, Division of Crops and Pastures, Pretoria. Received March 29, 1961.

273459. DL/61/391. 'Thai Red'. From Thailand.

273460. DL/61/392. 'Rosella'. Origin unknown. Grown in farm gardens in the subtropical lowveld. Used for making jelly.

**273461 and 273462. *HIBISCUS SABDARIFFA* L. Malvaceae.**

**Roselle.**

From the Philippines. Seeds presented by the Department of Agriculture and Natural Resources, Bureau of Plant Industry, Manila. Received March 29, 1961.

273461. 'Red Roselle'.

273462. 'White Roselle'.

**273463 and 273464.**

From the Sudan. Seeds presented by the United States Operations Mission, Khartoum. Received March 29, 1961.

273463. *HIBISCUS CANNABINUS* L. Malvaceae.

**Kenaf.**

'Sudan No. 1'. Fine sandy loam, in area, 7° N. lat., where there is 40 inches annual rainfall. Planted in mid-May, when rains begin, and harvested late September when flowering begins. Plants to 12 feet high.

273464. *HIBISCUS ESCULENTUS* L.

**Okra.**

'Tall Sudan'. Fine sandy loam, in area 7° N. lat., where there is 40 inches annual rainfall. Planted in mid-May, when rains begin, and harvested late September when flowering begins. Plant to nine feet high; seed pods large; fiber retted and looks good.

**273465 to 273468. *SORGHUM BICOLOR* (L.) Moench Poaceae.**

From Nigeria. Seeds presented by Harold A. Royer, Waka via Biu and Yola. Received March 29, 1961.

273465. 'Jerima'.

273467. 'Red'.

273466. 'Lav'.

273468. 'Twin'.

**273469 to 273473. ORYZA SATIVA L. Poaceae.****Rice.**

From Japan. Seeds presented by the National Institute of Agricultural Sciences, Hiratsuka, Kanagawa Prefecture. Received March 29, 1961.

273469. 'Norin No. 22'.

273472. UP-36.

273470. UP-15.

273473. UP-98.

273471. UP-21.

**273474. ZEA MAYS L. Poaceae.****Corn.**

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Ames, Iowa. Received March 29, 1961.

'McCormick White'. A white kernel selection from 'Tom and Jerry' a mixed- or blue-kernel variety, grown near Alley Springs, Missouri, since 1882. Used for making water-ground cornmeal.

**273475 to 273478.**

From Venezuela. Seeds presented by the Centro de Investigaciones Agronomicas, Seccion de Fitotecnica, Maracay. Received March 29, 1961.

273475. *GOSSYPIUM* sp. Malvaceae.

No. 1. Wild cotton; plant treelike. Used as ornamental.

273476 to 273478. *GOSSYPIUM* (hybrids). Malvaceae.

273476. No. 2. 'Pajarito'. Between San Cristobal and Santo Domingo, Tachira State. Bolls small, three-loculed; fiber smooth, white, short.

273477. No. 3. 'Pajarito'. Fifty km. from San Antonio, Tachira State. Bolls medium size, three loculed; lint spongy; fiber smooth, white.

273478. No. 4. 'Pajarito'. From San Antonio, Merida State. Bolls small, three loculed; fiber white.

**273479 to 273481. CITRULLUS LANATUS (Thunb.) Mansf.****Cucurbitaceae.****Watermelon.**

From Ethiopia. Seeds presented by the United States Cooperative Agricultural Program, Addis Ababa. Received March 29, 1961.

273479. No. 1. Fruit nearly round, small to medium size; skin dark green; seeds white.

273480. No. 2. Fruit light green to gray, resembles 'Charleston Gray'; seeds white.

273481. No. 3. Fruit nearly round, small, black marking along the longitudinal ribs; seeds brown.

**273482. ARACHIS VILLOSULICARPA Hoehne Fabaceae.**

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received March 29, 1961.

**273483 to 273488.**

From the United States. Seeds presented by T. Hymowitz, Oklahoma State University, Stillwater, Oklahoma. From Seoul, Korea. Received March 29, 1961.

273483 and 273484. *GLYCINE MAX* (L.) Merrill Fabaceae.**Soybean.**

273483. Seeds white.

273484. Seeds green.

273485 and 273486. *PHASEOLUS ANGULARIS* (Willd.) W. F. Wight

Fabaceae.

**Adzuki bean.**

273485. Seeds small, gray.

273486. Seeds brown.



**273483 to 273488—Continued**273487. *PHASEOLUS AUREUS* Roxb.

Mung bean.

273488. *PHASEOLUS VULGARIS* L.

Seeds mixed, red variegated and brown.

**273489 to 273495.**

From the Union of Soviet Socialist Republics. Seeds presented by the United States Embassy, Moscow. Received March 29, 1961.

273489 to 273494. *AGROPYRON DESERTORUM* (Fisch. ex Link) Schult.

Poaceae.

273489. No. 26073. No. 305. From the Krasnokutak Government Selection Station, Saratov Oblast.

273490. No. 27882. 'Kamiahinsky No. 1'. From the Kamishinsk Government Selection Station, Stalingrad Oblast.

273491. No. 31307. From Frunze, Khirghiz SSR.

273492. No. 31974. Khirghiz Government Selection Station.

273493. No. 32218. Wild type. Khirghiz Government Selection Station.

273494. No. 33744. Aktiobinsk Oblast, Kazakh S.S.R.

273495. *ELYMUS JUNCUS* Fisch. Poaceae.

No. 33745. Wild type. Aktiobinsk Oblast, Kazakh S.S.R.

**273496. IPOMOEA BATATAS (L.) Lam. Convolvulaceae.**

Sweetpotato.

From China. Tubers presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received March 29, 1961.

'Tainung No. 57'.

**273497 to 273551.**

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 31, 1961.

273497. *CHRYSANTHEMOIDES* sp. Asteraceae.

Col. No. 18640. Near Clanwilliam, Cape Province. Plant hemispherical bush to six feet high and six feet wide, intricately branched, slightly glaucous; rays yellow.

273498. *CHRYSANTHEMOIDES* sp.

Col. No. 18707. Near sea, along outer peninsula road, eight miles south of Cape Town. Low, ashy perennial.

273499. *CHRYSANTHEMOIDES* sp.

Col. No. 19150.

273500. *CHRYSANTHEMOIDES* sp.

Col. No. 19165. Haenertsburg, Pietersburg District, Transvaal. Elevation 5,000 feet. Plant dense bush, to three feet high, five feet wide, with many erect leafy stems; flowers yellow.

273501. *DIMORPHOTHECA AURANTIACA* DC. Asteraceae.

Winter cape-marigold.

Victoria Wild Flower Park, Caledon.

273502. *DIMORPHOTHECA CHRYSANTHEMIFOLIA* DC.

Col. No. 18715. Rocky slopes, 10 miles northeast of Worcester, Cape Province. Elevation 2,000 feet. Plants erect, to three feet high; foliage blue gray, glaucous; rays yellow, brownish or black; disk yellow.

**273497 to 273551—Continued****273503. DIMORPHOTHECA CUNEATA DC.**

Col. No. 951. Dry, rocky, open hilltop and slopes near Compass Berg, 30 miles southwest of Middelberg, Cape Province. Erect, branching, perennial herb to two feet high.

**273504. DIMORPHOTHECA ECKLONIS DC.**

Victoria Wild Flower Park, Caledon.

**273505. DIMORPHOTHECA NUDICAULIS DC.**

Victoria Wild Flower Park, Caledon.

**273506. DIMORPHOTHECA PLUVIALIS (L.) Moench.**

Col. No. 18706. Coarse gravelly soil along Cape Point Reserve road, near Kommetjie, Cape Province. Decumbent, white-flowered annual.

**273507. DIMORPHOTHECA SINUATA DC.**

**Blue-eyed cape-marigold.**

Col. No. 18688. Sandy soil near sea, seven miles west of Darling, Cape Province. Diffuse annual; stems, erect, spreading; rays orange colored.

**273508 and 273509. DIMORPHOTHECA ZEYHERI Sond.**

**273508.** Col. No. 947. Disturbed roadside areas, 48 miles southeast of Middelberg, road to Cradock. Erect perennial herb to one foot high, frequently branching near base; rays white on upper surface, pinkish near base, brown to purple on lower surface; disk yellow.

**273509.** Col. No. 957. Dry field 18 miles east of Middelberg, road to Steynsberg, Cape Province. Erect herb; rays white; disk yellow.

**273510. DIMORPHOTHECA sp.**

Col. No. 18624. Roadside, Wolseley Forestry Station, Cape Province. Winter-spring annual; rays white above, purple below.

**273511. DIMORPHOTHECA sp.**

Col. No. 18636. Along plowed margins, near The Rest, north of Picketburg, Cape Province. Annual; rays white above.

**273512. DIMORPHOTHECA sp.**

Col. No. 18647. Valley bottomland in Karoo bush, Lokenburg, Calvinia District, Cape Province. Spreading annual to six inches high; rays light salmon above and bluish below.

**273513. DIMORPHOTHECA sp.**

Col. No. 18690. Sandy soil near sea, seven miles west of Darling, Cape Province. Erect, bushy annual, densely branched from base; rays white, short.

**273514. DIMORPHOTHECA sp.**

Col. No. 18692. Two miles east of Darling, Cape Province. Erect annual, branched above base; rays white.

**273515. DIMORPHOTHECA sp.**

Col. No. 18734. Plowed ground along road between Picketsburg and The Rest. Winter-spring annual; flowers white.

**273516 to 273525. DIOSCOREA SYLVATICA Ecklon Dioscoreaceae.**

**273516.** No. P. 3504.

**273521.** No. P. 3960.

**273517.** No. P. 3937-A.

**273522.** No. P. 3962.

**273518.** No. P. 3937-B.

**273523.** No. P. 4027-A.

**273519.** No. P. 3940.

**273524.** No. P. 4027-B.

**273520.** No. P. 3953.

**273525.** No. P. 4028.

## 273497 to 273551—Continued

273526 and 273527. *OSTEOSPERMUM ASPERULUM* (DC.) Norl. Asteraceae.

273526. Col. No. 19102. Zwartberg Pass, Prince Albert District, Cape Province. Elevation 5,000 feet. Compact perennial; foliage asperous; rays yellow, tinged reddish on back.

273527. Col. No. 19111. Sandy limestone, Torinberg, Ladysmith District. Elevation 4,000 feet. Annual; stems slender, flaxlike, to two feet long, spreading. Plants widely scattered among ground cover.

273528. *OSTEOSPERMUM CORYMBOSUM* L.

Col. No. 932. Burned mountain slopes near Outeniqua Pass, George District, Cape Province. Rigidly erect shrub to six feet high; inflorescens corymbose; flowers yellow.

273529 and 273530. *OSTEOSPERMUM IMBRICATUM* L.

273529. Col. No. 19113. Rocky roadside, side road to Municipal Creek, Ladysmith, Cape Province. Elevation 2,000 feet. Erect perennial to 20 inches high; stems virgate; flowers yellow.

273530. Col. No. 19127. Rocky slope. Karoo transition, 37 miles west of Uniondale, Cape Province. Perennial to 20 inches high; stems slender, upright. Grows in clones or small colonies.

273531. *OSTEOSPERMUM JUNCUNDUM* (E.P. Phill.) Norl.

Col. No. 19164. Moist, grassy mountain slope, Haenertsburg, Pietersburg District, Transvaal. Elevation 4,000 feet. Annual rainfall 70 inches. Low, spreading, perennial herb; peduncles erect but nodding; rays reddish purple.

273532 to 273535. *OSTEOSPERMUM MURICATUM* E. Mey.

273532. Col. No. 943. Roadside pit, 10 miles northeast of Beaufort, West, National Road to Nelspoort. Erect, shrubby herb with woody base; flowers yellow.

273533. Col. No. 954. Roadside, 19.5 miles southeast of Middelberg, road to Cradock. Shrubby perennial with woody base; stems numerous, from base; flowers yellow.

273534. Col. No. 19144. Sandy soil along road, 22 miles south of Koffiefontein, road to Fauresmith. Short bushy perennial with flowers and ripe achenes among foliage.

273535. Col. No. 19169. Rocky town lot, Pietersburg, Transvaal. Plants short, compact, with good crown of maturing seed.

273536 to 273540. *OSTEOSPERMUM SCARIOSUM* DC.

273536. Col. No. 945. Rocky soil, dry hillside, 25 miles northeast of Beaufort West, National Road to Nelspoort. Shrubby erect perennial; flowers yellow.

273537. Col. No. 949. Sandy loam, railroad right of way, eight miles east of Rosemead, Middelberg-Steinsburg road. Erect perennial, branching near base; flowers yellow; rays with greenish lines on lower surface.

273538. Col. No. 955. Open, dry, rocky hillside 30 miles southeast of Middelburg, road to Cradock. Erect, shrubby perennial; flowers yellow.

273539. Col. No. 18744. Veld Reserve, Worcester, Cape Province. Spreading winter-spring perennial; flowers pale yellow.

273540. Col. No. 19078. Along rocky road, 64 miles southwest of Beaufort West, Cape Province. Perennial; flowers yellow; fruits large, winged.



**273497 to 273551—Continued**

**273541 and 273542.** *OSTEOSPERMUM SINUATUM* (DC.) Norl.

**273541.** Col. No. 19076. Rocky arroyo and roadside, 94 miles southwest of Beaufort West. Straggly perennial to two inches high; stems light gray, woody, slender; flowers yellow; fruits have large wings.

**273542.** Col. No. 19091. Along arroyo between Kivietskuil and Wiegnaarspoort, Aberdeen District. Dense, semi-erect plant to 10 inches high.

**273543 to 273545.** *OSTEOSPERMUM SPINESCENS* Thunb.

**273543.** Col. No. 950. Roadside four miles south of Hofmeyr, road to Cradock. Plant stiff, spreading, much branched, to three feet high; flowers yellow.

**273544.** Col. No. 953. Moist roadside pit, 33 miles northwest of Cradock, Cradock-Middelberg Road. Stiff, much-branched shrub to three feet high.

**273545.** Col. No. 958. Sandy loam, roadside and adjacent fields, 19 miles northwest of Colesberg, road to Philipstown, Cape Province.

**273546.** *OSTEOSPERMUM* sp.

Col. No. 18642. Weed in cultivated fields, Pakhuis Mountain, Clanwilliam District, Cape Province. Erect annual to 20 inches high; crowns spreading; rays yellow. Used as pig feed.

**273547.** *OSTEOSPERMUM* sp.

Col. No. 18691. Near sea, seven miles west of Darling, Cape Province. Annual.

**273548.** *OSTEOSPERMUM* sp.

Col. No. 18693. Two miles east of Darling. Erect annual; rays yellow, brown mark at base.

**273549.** *OSTEOSPERMUM* sp.

Col. No. 19071. Veld Reserve, Worcester, Cape Province. Elevation 2,000 feet. Small, erect, bushy annual; flowers yellow, small.

**273550.** *PSORALEA SPICATA* L. Fabaceae.

Col. No. 18968. Along highway between Swellendam and Montagu, Cape Province. Slender shrub to 10 feet high single caudex; fruit abundant.

**273551.** *RESTIO* sp. Restionaceae.

Col. No. 19063. Rocky slope, summit of Du Toits Kloof, Paarl District, Cape Province. Elevation 3,000 feet. Rhizomatous, clonal, dioecious perennial to three feet high; seed heads large; seeds large, golden, iridescent.

**273552 to 273559.** *SECHIAM EDULE* (Jacq.) Sw. Cucurbitaceae.  
**Chayote.**

From Honduras. Fruits presented by the Escuela Agricola Pan-Americana, Tegucigalpa. Received March 31, 1961.

**273552.** No. 1. **273556.** No. 5.

**273553.** No. 2. **273557.** No. 6.

**273554.** No. 3. **273558.** No. 7.

**273555.** No. 4. **273559.** No. 8.

**273560 to 273573.**

From the Union of Soviet Socialist Republics. Seeds presented by the Botanical Garden Batumen, Academy of Sciences, Georgia Batum, Georgia. Received April 3, 1961.

**273560.** *DICTAMNUS CAUCASICUS* Hort. Rutaceae.

**273560 to 273573—Continued**

273561. *PHELLODENDRON LAVALLEI* Dode. Rutaceae.  
 273562. *PONCIRUS TRIFOLIATA* (L.) Raf. Rutaceae. **Hardy orange.**  
 273563. *ZANTHOXYLUM ALATUM* Roxb. Rutaceae.  
 273564. *ZANTHOXYLUM BUNGEI* Planch.  
 273565. *ZANTHOXYLUM PIPERITUM* (L.) DC. **Japanese prickly-ash.**  
 273566. *ZANTHOXYLUM SCHINIFOLIUM* Sieb. & Zucc.  
 273567 to 273570. Seeds presented by the Universitatis Leopoliensis Joannis Franko, Hortus Botanicus, Lvov.  
 273567. *DICTAMNUS ALBUS* L. Rutaceae. **Gasplant.**  
 273568. *ERYTHROCHITON BRASILIENSIS* Nees & Mart. Rutaceae.  
 273569. *PHELLODENDRON AMURENSE* Rupr. Rutaceae. **Amur corktree.**  
 273570. *PTELEA TRIFOLIATA* L. Rutaceae. **Hop-tree.**  
 273571 to 273573. Seeds presented by the Hortus Botanicus Instituti Planfarum Officialium, Vilar Province, Mosquensis.  
 273571. *DICTAMNUS CAUCASICUS* Hort. Rutaceae.  
 273572. *PHELLODENDRON AMURENSE* Rupr. Rutaceae. **Amur corktree.**  
 273573. *PTELEA TRIFOLIATA* L. Rutaceae. **Hop-tree.**

**273574 to 273579.**

From Italy. Seeds presented by the Giardino Botanico Ed Coloniale, Palermo. Received April 3, 1961.

273574. *LACTUCA DREGEANA* DC. Cichoriaceae.  
 273575. *LACTUCA MURALIS* (L.) Fresen.  
     'Atropurpurea'.  
 273576. *LACTUCA PERENNIS* L.  
 273577. *LACTUCA SALIGNA* L.  
 273578. *CICHORIUM PUMILUM* Jacq. Cichoriaceae.  
 273579. *LACTUCA VIROSA* L.

**273580 to 273584.**

From Great Britain. Seeds presented by the Royal Botanic Gardens, Kew, England. Received April 3, 1961.

273580. *LACTUCA MURALIS* (L.) Fresen. Cichoriaceae.  
 273581. *LACTUCA PERENNIS* L.  
 273582. *LACTUCA SALIGNA* L.  
 273583. *LACTUCA SONCHIFOLIA* Panc.  
 273584. *LACTUCA VIROSA* L.

**273585 to 273590.**

From Denmark. Seeds presented by the Universitetets Botaniske Have, Copenhagen. Received April 2, 1961.

273585. *LACTUCA LIVIDA* Boiss. & Reut. Cichoriaceae.  
 273586 and 273587. *LACTUCA MURALIS* (L.) Fresen.  
     273586. No. 1.  
     273587. No. 2.  
 273588. *LACTUCA SALIGNA* L.

**273585 to 273590—Continued**

273589 and 273590. *LACTUCA SERRIOLA* L.

273589. No. 1. 'Angustana'.

273590. No. 2.

**273591 and 273592.**

From the Netherlands. Seeds presented by the Hortus Botanicus Academicus, Lugduno-Batavus, Leiden. Received April 3, 1961.

273591. *LACTUCA BOURGAEI* (Boiss.) Irish & Taylor Cichoriaceae.

273592. *LACTUCA PLUMIERI* (L.) Gren. & Godr.

**273593 to 273597.**

From Germany. Seeds presented by the Botanischer Garten, der Universitat Tübingen, Tübingen. Received April 3, 1961.

273593. *LACTUCA MURALIS* (L.) Fresen. Cichoriaceae.

273594. *LACTUCA PERENNIS* L.

273595. *LACTUCA SATIVA* L.

273596. *LACTUCA SERRIOLA* L.

273597. *LACTUCA VIROSA* L.

**273598 to 273602.**

From Belgium. Seeds presented by the Jardin Botanique de la Ville de Louvain, Louvain. Received April 3, 1961.

273598. *LACTUCA MURALIS* (L.) Fresen. Cichoriaceae.

273599. *LACTUCA PERENNIS* L.

273600. *LACTUCA SATIVA* L.

273601. *LACTUCA SERRIOLA* L.

273602. *LACTUCA VIROSA* L.

**273603. *LACTUCA PLUMIERI* (L.) Gren. & Godr. Cichoriaceae.**

From the Netherlands. Seeds presented by the Hortus Botanicus, Groningen. Received April 3, 1961.

**273604. *GINORIA GINORIOIDES* (Griseb.) Britton Lythraceae.**

From Cuba. Seeds presented by the Atkins Garden and Research Laboratory, Cienfuegos. Received April 3, 1961.

**273605. *PISUM SATIVUM* L. Fabaceae.**

From Ecuador. Seeds presented by the United States Operations Mission, Quito. Received April 3, 1961.

Plants growing in the dry season in a sandy, acid, arid soil badly depleted for several hundred years with an eight-months dry season. Elevation above 8,000 feet. Roots large; yield light. Peas are sweet if picked just before maturity; some turn black when cooked.

**273606 to 273608.**

From Germany. Seeds presented by the Botanischer Garten, Leipzig. Received April 3, 1961.

273606. *LACTUCA SATIVA* L. Cichoriaceae.

'Treibsalat Presto'.

273607. *LACTUCA VIROSA* L.

273608. *LACTUCA PERENNIS* L.



**273609 to 273614.**

From Belgium. Seeds presented by the Universite Libre de Bruxelles, Jardin Experimental, Auderghem. Received April 3, 1961.

**273609.** *LACTUCA MACROPHYLLA* (Willd.) Gray Cichoriaceae.

No. 661.

**273610.** *LACTUCA PERENNIS* L.

No. 662.

**273611.** *LACTUCA PLUMIERI* (L.) Gren. & Godr.

No. 663.

**273612.** *LACTUCA SATIVA* L.

No. 664.

**273613.** *LACTUCA SERRIOLA* L.

No. 665.

**273614.** *LACTUCA VIROSA* L.

No. 663.

**273615 to 273617.**

From the Netherlands. Seeds presented by the Botanical Garden, Technical University, Delft. Received April 3, 1961.

**273615.** *LACTUCA PERENNIS* L. Cichoriaceae.

**273616.** *LACTUCA SATIVA* L.

'Capitata'.

**273617.** *LACTUCA SERRIOLA* L.

**273618 to 273623.**

From the Union of Soviet Socialist Republics. Seeds presented by the Botanical Garden of the Sciences, Kazachstan, Alma-Ata 10. Received April 3, 1961.

**273618.** *DICTAMNUS ALBUS* L. Rutaceae. Gasplant.

No. 1187.

**273619.** *DICTAMNUS TURKESTANICUS* Wint.

No. 1188.

**273620.** *PHELLODENDRON AMURENSE* Rupr. Rutaceae. Amur corktree.

No. 350.

**273621.** *PHELLODENDRON JAPONICUM* Maxim. Rutaceae.

No. 351.

**273622.** *PTELEA TRIFOLIATA* L. Rutaceae. Hop-tree.

No. 352.

**273623.** *RUTA GRAVEOLENS* L. Rutaceae. Common rue.

No. 1189.

**273624.** *PYRACANTHA ATALANTIOIDES* (Hance) Stapf Malaceae.

From Germany. Cuttings purchased from Kayser and Seibert, Rossdorf bei Darmstadt. Received April 4, 1961.

**273625 to 273687.**

From Ethiopia. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 4, 1961.

Seeds unless otherwise noted.

**273625. AFRAMOMUM KORARIMA (Baker) Pereira Zingiberaceae.**

Col. No. 1923. Addis Ababa market. Widely used in Ethiopia as a spice.

**273626 and 273627. ALLIUM CEPA L. Liliaceae. Onion.**

**273626.** Col. No. 1871. Harar market. Bulbs; skin red; pyriforme.

**273627.** Col. No. 2037. Jimma market. Bulbs; skin red; pyriforme.

**273628 to 273633. ALLIUM SATIVUM L. Garlic.**

**273628.** Col. No. 1872. Harar market. Bulbs white.

**273629.** Col. No. 1887. Dire Dawa market. Bulbs white.

**273630.** Col. No. 1916. Addis Ababa market. Bulbs purplish.

**273631.** Col. No. 1999. Socca market. Bulbs purplish.

**273632.** Col. No. 2009. Socca market. Bulbs purplish.

**273633.** Col. No. 2038. Jimma market. Bulbs purplish.

**273634. AMMI COPTICUM L. Apiaceae.**

Col. No. 1905. Addis Ababa market. 'Nech Azmud'. Much used, as a spice.

**273635. ASPARAGUS sp. Convallariaceae.**

Col. No. 1995. Near village, 13 miles west of Jimma. Plants in wild; abundant under trees.

**273636 and 273637. BRASSICA CARINATA A. Br. Brassicaceae.**

**273636.** Col. No. 1866. Harar market.

**273637.** Col. No. 1885. Dire Dawa market.

**273638 and 273639. BRASSICA NIGRA (L.) Koch Black mustard.**

**273638.** Col. No. 1906. 'Senafich'. Addis Ababa market.

**273639.** Col. No. 1829. Plant an escape along roadside, Agricultural College, Aremaya. Grown for its oil content.

**273640. BRASSICA OLERACEA var. CAPITATA L. Cabbage.**

Col. No. 1912. 'Gomenzer'. Addis Ababa market.

**273641. BRASSICA sp.**

Col. No. 1845. Harar market.

**273642. BRASSICA sp.**

Col. No. 1908. 'Senafich'. Addis Ababa market. Plant used for medicinal purposes.

**273643 and 273644. CAPSICUM ANNUUM L. Solanaceae. Pimento.**

**273643.** Col. No. 1992. Village 13 miles west of Jimma. Plant shrubby to 3.5 feet high; fruit sweet.

**273644.** Col. No. 2002. Socca market. Fruit sweet.

**273645 to 273647. CAPSICUM FRUTESCENS L. Redpepper.**

**273645.** Col. No. 1859. Harar market. Chili pepper.

**273646.** Col. No. 1881. Harar market. Fruit small.

**273647.** Col. No. 1918. Addis Ababa market. Red chili type; fruit small.

## 273625 to 273687—Continued

273648. *CUCUMIS PROPHETARUM* L. Cucurbitaceae.

Col. No. 1895. Small vine trailing on ground.

273649. *CUCUMIS* sp.

Col. No. 1947. Plant in wild, prostrate, to six feet long; leaves lobed, to five inches in diameter; fruit round, to 1.5 inches in diameter, spiny, yellow when ripe.

273650. *CUCUMIS* cf. *MEMBRANIFOLIUS* Hook. f.

Col. No. 2048. Shore of Lake Awusa. Plant in wild, vine to six feet long; fruits 1 by 3 inches, spiny, yellow when ripe.

273651 to 273656. *CUCURBITA PEPO* L. Cucurbitaceae.

Pumpkin.

273651. Col. No. 1868. Harar market.

273652. Col. No. 1884. Dire Dawa market.

273653. Col. No. 2041. Jimma market. Fruit globose-flattened, 8 by 12 inches.

273654. Col. No. 2049. Gondar market.

273655. Col. No. 2121. Asmara spice market.

273656. Col. No. 2122. Asmara spice market.

273657. *CYPHOMANDRA BETACEA* (Cav.) Sendt. Solanaceae. Tree-tomato.

Col. No. 2045. Jimma market.

273658. *DAUCUS CAROTA* L. Apiaceae.

Carrot.

Col. No. 1898. Garden two miles east of Aremaya College. Root large, orange.

273659 and 273660. *FOENICULUM VULGARE* Mill. Apiaceae. Fennel.

273659. Col. No. 1821. Plant in wild, along Agricultural College road, Aremaya. Thick clumps to six feet high; flowers yellow, in smallish umbels.

273660. Col. No. 1861. Harar market.

273661. *LACTUCA SALIGNA* L. Cichoriaceae.

Col. No. 2062. Near coffee nursery, between airport and Gondar. Plant to four feet high; main stem branching freely near top; flowers blue, in small heads.

273662 and 273663. *LAGENARIA SICERARIA* (Mol.) Standf. Cucurbitaceae. Calabash gourd.

273662. Col. No. 1819. Field 10 miles west of Aremaya.

273663. Col. No. 2010. Socca market. Gourd 16 inches long, 10 inches in diameter at base.

273664. *LENS CULINARIS* Medic. Fabaceae.

Lentil.

Col. No. 1886. Dire Dawa market.

273665. *LEPIDIUM SATIVUM* L. Brassicaceae.

Gardencress.

Col. No. 1991. Village 13 miles west of Jimma. Used for medicinal purposes.

273666 and 273667. *PHASEOLUS COCCINEUS* L. Fabaceae.

Scarlet runner bean.

273666. Col. No. 1994. Village 13 miles west of Jimma. Vine climbing over vegetation.

273667. Col. No. 2031. Farm, Nadda region.



**273625 to 273687—Continued****273668. PHASEOLUS LUNATUS L.****Lima bean.**

Col. No. 2044. Jimma market.

**273669 to 273673. PHASEOLUS VULGARIS L.****273669.** Col. No. 1875. Harar market.**273670.** Col. No. 1876. Harar market. Bean white.**273671.** Col. No. 1893. Dire Dawa market.**273672.** Col. No. 2085. Agricultural College, Aramaya.**273673.** Col. No. 2112. Auareh market.**273674 to 273681. PISUM SATIVUM L. Fabaceae.****273674.** Col. No. 1853. Harar market.**273675.** Col. No. 1867. Harar market.**273676.** Col. No. 1888. Dire Dawa market.**273677.** Col. No. 1915. Addis Ababa market.**273678.** Col. No. 1925. Addis Ababa market.**273679.** Col. No. 2001. Socca market.**273680.** Col. No. 2040. Jimma market.**273681.** Col. No. 2104. Auareh market.**273682. PRUNUS AMYGDALUS Batsch Amygdalaceae.****Almond.**

Col. No. 1841. Abandoned village near lake, college land, Aramaya.

**273683. RUBUS sp. Rosaceae.**

Col. No. 1983. Roadside eight miles west of Jimma. Elevation 6,500 feet. Plant in wild, robust; canes to seven feet high, pubescent, thorny; fruit tart, pleasant.

**273684. RUBUS sp.**

Col. No. 2032. Nadda region. Plant in wild; canes to 14 feet high and 1.5 inches in diameter; flowers blue and lavender; fruit dry, edible.

**273685. RUBUS sp.**

Col. No. 2033. Nadda region. Canes to five feet high, pubescent; fruit tart, pleasant.

**273686. SOLANUM sp. Solanaceae.**

Col. No. 1825. Agricultural College, Aramaya. Plant in wild, to four feet high, spiny; flowers blue; fruit yellow.

**273687. SOLANUM sp.**

Col. No. 2023. Plant much branched, almost viny; stems slender; fruit small, yellow.

**273688 to 273703.**

From Germany. Plants purchased from Hesse Baumschulen, Weener. Received April 5, 1961.

**273688. CLEMATIS ALPINA (L.) Mill. Ranunculaceae.****273689. CLEMATIS KOREANA Komar.****273690. CLEMATIS LASIANDRA Maxim.****273691. CLEMATIS MONTANA var. RUBENS Wilson**

'Grandiflora'.

## 273688 to 273703—Continued

273692. CLEMATIS SERRATIFOLIA Rehder Korean clematis.  
 273693. CLEMATIS TANGUTICA (Maxim.) Korsch. Golden clematis.  
 273694 to 273696. CORNUS ALBA L. Cornaceae. Tatarian dogwood.  
 273694. 'Albo-marginata Elegans'.  
 273695. 'Kesselringi Zweige Schwarzrot'. Twigs dark red.  
 273696. 'Siberica Variegata'.  
 273697. CORNUS MAS var. MACROCARPA (Dipp.) Schelle  
 273698. CORNUS OFFICINALIS Sieb. & Zucc. Cornaceae. Japanese cornelian-cherry.  
 273699 to 273703. HIBISCUS (hybrids). Malvaceae.  
 273699. 'Blue Rouge'. 273702. 'Purpureus Plenus'.  
 273700. 'Elegantissimus'. 273703. 'Variegatus'.  
 273701. 'Puniceus Plenus'.

## 273704 to 273725.

From Ethiopia. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 5, 1961.

- 273704 to 273724. GUIZOTIA ABYSSINICA (L.f.) Cass. Asteraceae.  
 273704. Col. No. 1830. Plant with finely branched stems; heads small. Grown for oil seed.  
 273705. Col. No. 1865. Harar market.  
 273706 to 273724. From Jimma Agricultural Technical School.  
 273706. Col. No. 1962. N-1. Semhete, Arussi. Plants to 140 cm. high, 67 days to flower.  
 273707. Col. No. 1963. N-2. Gorgo, Arussi. Plants to 150 cm. high, 68 days to flower.  
 273708. Col. No. 1964. N-3. Ambo, Shoa. Plants to 115 cm. high, 63 days to flower.  
 273709. Col. No. 1965. N-4. Debre-Zeit, Shoa. Plants to 130 cm. high, 69 days to flower.  
 273710. Col. No. 1966. N-5. Kachil-Meret, Combolcha. Plants to 125 cm. high, 69 days to flower.  
 273711. Col. No. 1967. N-6. From Alelu, Shashemene. Plant to 130 cm. high, 68 days to flower.  
 273712. Col. No. 1968. N-7. From Wolkitte (Jimma road). Plants to 125 cm. high, 69 days to flower.  
 273713. Col. No. 1969. N-8. From Nejo, Wollega. Plants to 120 cm. high, 66 days to flower.  
 273714. Col. No. 1970. N-9. From Kete-Ager, Combolcha. Plants to 115 cm. high, 69 days to flower.  
 273715. Col. No. 1971. N-10. From Haroye, Combolcha. Plants to 125 cm. high, 64 days to flower.  
 273716. Col. No. 1972. N-11. From Awaro. Plants to 130 cm. high, 64 days to flower.  
 273717. Col. No. 1973. N-12. From Azamo, Shashemene. Plants to 150 cm. high, 67 days to flower.

**273704 to 273725—Continued****273704 to 273724—Continued**

273718. Col. No. 1974. N-13. From Mebelwada, Shashemene. Plants to 135 cm. high, 70 days to flower.

273719. Col. No. 1975. N-14. From Debre-Zeit, Shoa. Plants to 132 cm. high, 70 days to flower.

273720. Col. No. 1976. N-15. From Keressa, Shashemene. Plants to 130 cm. high, 63 days to flower.

273721. Col. No. 1977. N-16. From Jejeba, Wolkitte. Plants to 135 cm. high, 65 days to flower.

273722. Col. No. 1978. N-17. From Debre-Zeit, Shoa. Plants to 130 cm. high, 71 days to flower.

273723. Col. No. 1979. N-18. From Nadda (near Jimma). Plants to 135 cm. high, 67 days to flower.

273724. Col. No. 1980. N-19. From Serbo, Jimma. Plants to 120 cm. high, 71 days to flower.

273725. *GUIZOTIA SCABRA* Chiov. Asteraceae.

Col. No. 1827. Southeast corner, college land, Aremaya. Plants to 120 cm. high, much branched; heads small; flowers yellow.

**273726 to 273729.**

From Canada. Plants presented by the Royal Botanical Gardens, Hamilton. Received April 5, 1961.

273726. *ACER GINNALA* var. *SEMENOVII* (Regel & Herd.) Pax Aceraceae.

273727. *CERCIS SILIQUASTRUM* L. Caesalpinaceae. Judas-tree.

273728. *CERCIS* sp.

273729. *CORNUS KOUSA* var. *CHINENSIS* A. Osborn. Cornaceae.

**273730 to 273791.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received April 5, 1961.

273730. *AGROPYRON CRISTATUM* (L.) Gaertn. Poaceae.

Crested wheatgrass.

No. 27869. 'Onohojskij No. 52'. Buryat-Mongol, A.S.S.R.

273731. *AGROPYRON DESERTORUM* (Fisch. ex Link) Schult.

No. 27882. 'Kamysinskij I'. Stalingrad Oblast, R.S.F.S.R.

273732 and 273733. *AGROPYRON INTERMEDIUM* (Host) Beauv.

Intermediate wheatgrass.

273732. No. 33706. 'Rostovsky No. 31'. Rostov Oblast, R.S.F.S.R.

273733. No. 33826. Kursk Oblast, R.S.F.S.R.

273734 and 273735. *AGROPYRON PECTINIFORME* Roem. & Schult.

273734. No. 27880. 'Pavlovskij No. 12'. Voronezh Oblast, R.S.F.S.R.

273735. No. 28006. 'Krasnokutsky No. 4'. Saratov Oblast, R.S.F.S.R.

273736. *AGROPYRON SIBIRICUM* (Willd.) Beauv. Siberian wheatgrass.

No. 27634. 'Aktiubinskij Uzkokolosyj Mestinyj'. Aktyubinsk Oblast, R.S.F.S.R.

273737. *AGROPYRON TRICHOPHORUM* (Link) Richt. Stiffhair wheatgrass.

No. 33825. Turkmen, S.S.R.



**273730 to 273791—Continued**

- 273738 and 273739.** *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**  
273738. No. 27878. 'Asta'. Lithuania, S.S.R.  
273739. No. 31664. 'Priekulskaya No. 30'. Latvia, S.S.R.
- 273740 and 273741.** *KOCHIA PROSTRATA* (L.) Schrad. Chenopodiaceae.  
273740. No. 33822. Stalingrad Oblast, R.S.F.S.R.  
273741. No. 33812. Stalingrad Oblast, R.S.F.S.R.
- 273742.** *ONOBRYCHIS ALTISSIMA* Grossh. Fabaceae.  
No. 11448. Azerbaijan, S.S.R.
- 273743 to 273752.** *ONOBRYCHIS ARENARIA* DC.  
273743. No. 14377. 'Pescanyj No. 1251'. Ukraine, S.S.R.  
273744. No. 26710. 'Pescanyj Improved'. Kazakh, S.S.R.  
273745. No. 27433. Dnepropetrovsk Oblast, Ukraine, S.S.R.  
273746. No. 28271. 'Pescanyj 21'. Bashkir, S.S.R.  
273747. No. 28649. Poltav Oblast, R.S.F.S.R.  
273748. No. 28650. 'Shironovsky No. 9'. Kiev Oblast, Ukraine, S.S.R.  
273749. No. 29192. 'Hybrid No. 109'. Ukraine, S.S.R.  
273750. No. 29628. Kirghiz, S.S.R.  
273751. No. 29652. Novosibirsk Oblast, R.S.F.S.R.  
273752. No. 30004. 'Pavlovskij'. Voronezh Oblast, R.S.F.S.R.
- 273753 to 273783.** *ONOBRYCHIS TRANSCAUCASICA* Grossh.  
273753. No. 4854. Azerbaijan, S.S.R.  
273754. No. 5078. Armenia, S.S.R.  
273755. No. 9696. Krasnodar, R.S.F.S.R.  
273756. No. 11684. Originally from Teheran, Iran.  
273757. No. 15143. Armenia, S.S.R. Wild.  
273758. No. 16608. Azerbaijan, S.S.R.  
273759. No. 16611. 'Krimsky No. 36'. Armenia, S.S.R.  
273760. No. 16615. Armenia, S.S.R.  
273761. No. 16616. Armenia, S.S.R.  
273762. No. 17154. Armenia, S.S.R.  
273763. No. 17394. Georgia, S.S.R.  
273764. No. 18251. Armenia, S.S.R.  
273765. No. 18254. Armenia, S.S.R.  
273766. No. 19871. Armenia, S.S.R.  
273767. No. 23487. Ukraine, S.S.R.  
273768. No. 26596. Uzbekistan, S.S.R.  
273769. No. 26770. Voronezh Oblast, R.S.F.S.R.  
273770. No. 26804. 'Krasnodarsky No. 2834'. Krasnodar, R.S.F.S.R.  
273771. No. 27711. 'Kubansky No. 3'. Krasnodar, R.S.F.S.R.  
273772. No. 27735. Azerbaijan, S.S.R.  
273773. No. 27736. Azerbaijan, S.S.R.

**273730 to 273791—Continued****273753 to 273783—Continued**

273774. No. 28042. Severo-Ossetian, A.S.S.R.  
 273775. No. 28630. Armenia, S.S.R.  
 273776. No. 28633. Armenia, S.S.R.  
 273777. No. 28646. Georgia, S.S.R.  
 273778. No. 28648. Rostov Oblast, R.S.F.S.R.  
 273779. No. 29127. Georgia, S.S.R.  
 273780. No. 29626. Armenia, S.S.R.  
 273781. No. 29627. Armenia, S.S.R.  
 273782. No. 29988. Ukraine, S.S.R.  
 273783. No. 31796. Stavropol, R.S.F.S.R.

**273784 to 273791. ONOBYCHIS VICHIFOLIA Scop.****Sainfoin.**

273784. No. 6533. Lithuania, S.S.R.  
 273785. No. 9796. 'Ukrainsky No. 586'. Ukraine, S.S.R.  
 273786. No. 16537. Stavropol, R.S.F.S.R.  
 273787. No. 16650. Kabardian, A.S.S.R.  
 273788. No. 19571. Ukraine, S.S.R.  
 273789. No. 24151. Ukraine, S.S.R.  
 273790. No. 28467. Krasnodar, R.S.F.S.R.  
 273791. No. 31794. Ukraine, S.S.R.

**273792 to 273829.**

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 6, 1961.

**273792. ACACIA VISITE Grisebach Mimosaceae.**

Col. No. 19085. Middelberg, Cape Province. Fast growing tree, planted for shade.

**273793. ASPALATHUS sp. Fabaceae.**

Col. No. 19020. Rocky, mountain slope, Kleinfontein, Clanwilliam District, Cape Province. Elevation 3,500 feet. Handsome, erect, ericoid shrub to 60 inches high; bark of old stems yellowish-white.

**273794. BERZELIA COMMUTATA Sond. Bruniaceae.**

Col. No. 18872. Sandstone area, top of Garcia Pass, Riverside District, Cape Province. Elevation 3,000 feet. Herbaceous ericoid perennial to three feet high; flowers white, bolls turn yellow with age.

**273795. BERZELIA GALPINII Pillans**

Col. No. 18876. Moist mountain slope, Garcia Pass. Elevation 2,500 feet. Ericoid herbaceous perennial.

**273796. CISSUS JUTTAE Dinter & Gilg ex Gilg & Brandt Vitaceae.**

Col. No. 19152. National Botanic Garden, Pretoria, Transvaal. Plant fleshy, to three feet high; leaves large.

**273797. ERICA PATERSONII L. Ericaceae.**

Col. No. 18794. Marshy sea level soils, Caledon District, Cape Province. Erect perennial to 20 inches high; foliage attractive; flowers yellow.

**273792 to 273829—Continued****273798. ERICA PERSPICUA Wendl.**

Col. No. 18798. Near sea, Kleinmond, Caledon District, Cape Province. Slender, virgate shrub to six feet high; flowers pink to lavender white.

**273799. ERICA sp.**

Col. No. 992. Garden Route. Diffuse bushlet; flowers pink, showy.

**273800. ERICA sp.**

Col. No. 18843. Rocky slope seven miles west of Bredasdorp, Bredasdorp District, Cape Province. Low perennial; flowers red.

**273801. ERICA sp.**

Col. No. 18879. Sandy soil, top of Garcia Pass. Virgate perennial to four feet high; flowers nodding.

**273802. GAZANIA HETEROCHAETA DC. Asteraceae.**

Col. No. 19093. Karoo desert, 60 miles southwest of Beaufort West, Cape Province. Cespitose perennial to four feet high; flowers red orange, bright, showy; rays with dark spots.

**273803. GLADIOLUS sp. Iridaceae.**

Col. No. 933. Roadside, five miles southwest of George, George District, Cape Province.

**273804. GLADIOLUS sp.**

Col. No. 19089. Rocky slope, Kleinfontein, Clanwilliam District.

**273805. HELIPTERUM EXIMUM DC. Asteraceae.**

Col. No. 19119. Moist, rocky, mountain slope, Garcia Pass. Single-stemmed annual; leaves densely pubescent; panicles with brilliant red-bracted heads.

**273806. LEUCADENDRON DREGEI E. Mey. Proteaceae.**

Col. No. 19105. Limestone metamorphosis, Zwartberg Pass, Groot Zwartbergen, Prince Albert District, Cape Province. Elevation 5,000 feet. Plants to 40 inches high, broad; leaves pinelike; "cones" bright pink to red.

**273807. LEUCADENDRON GALPINII Phillips & Hutch.**

Col. No. 19124. Ten miles west of Albertinia, Cape Province. Elevation 400 feet. Shrub to six feet high; leaves narrow, scattered; "cones" ovoid, numerous.

**273808. LEUCADENDRON TORTUM R. Br.**

Col. No. 19041. Stony ground, near sea level, seven miles west of Bredasdorp, Cape Province. Dioecious, spreading shrub to 5.5 feet high with crown of fruiting "cones."

**273809. LEUCADENDRON sp.**

Col. No. 19054. Sandy river allivium, Breede River, four miles east of Worcester, Cape Province.

**273810. LEUCOSPERMUM CATHERINAE Compton Proteaceae.**

Col. No. 19022. Sandy soil, Kleinfontein, Clanwilliam District, Cape Province. Elevation 3,500 feet. Erect shrub to six feet high; branches erect; flowers pink to red.

**273811. LEUCOSPERMUM NUTANS R. Br.**

Col. No. 19043. Rocky slopes 20 miles west of Bredasdorp. Elevation 500 feet. Plant to four feet high, six feet wide; flowers bright, showy, variable color.



## 273792 to 273829—Continued

273812. *NEBELIA PALEACEA* Sweet *Bruniaceae*.

Col. No. 19047. Rocky slope, mountain above Napier, Bredasdorp District, Cape Province. Elevation 1,000 feet. Dense, bushy perennial to 40 inches high; flowering crowns dense, white; fruit in massive layers.

273813. *NYMANIA CAPENSIS* (Thunb.) Lindl. *Meliaceae*.

Col. No. 19107. 'Japanese Lantern Tree'. Dry, rocky slope near Calitzdorp. Slender, erect shrub, or tree, to 20 feet high; fruits showy, inflated.

273814. *PROTEA ARISTATA* Phillips *Proteaceae*.

Col. No. 19112. Rocky crags above West Municipal Creek, edge of Ladysmith, Ladysmith District, Cape Province. Elevation 1,200 feet. Bushy, pinelike shrub to six feet high; leaves dark green, linear; flowers pink with red bracts, in large showy heads.

273815. *PROTEA LACTICOLOR* Salisb.

Col. No. 19100. Zwartbergen Pass, Groot Zwartbergen, Prince Albert District, Cape Province. Elevation 4,000 feet. Tall shrub; branches slender, bracts pink.

273816. *PROTEA LATIFOLIA* R. Br.

Col. No. 19101. Zwartberg Pass. Shrub to six feet high, branches slender; flowers in pink-bracted heads.

273817. *PROTEA MARGINATA* Thunb.

Col. No. 19070. Maqui slope, Du Toits Kloof, Worcester District, Cape Province. Bushy shrub.

273818 to 273820. *PROTEA MELLIFERA* Thunb.

273818. Col. No. 18881. Mountain slope, Garcia Pass. Elevation 2,200 feet. Shrub; branches erect; leaves narrow; flowers white.

273819. Col. No. 19108. 'Sugarbush'. Sandy soil, Seven Weeks Poort, Lainsburg District, Cape Province. Elevation 2,500 feet. Erect shrub to six feet high, leafy, well formed. Abundant fire successionist in maqui.

273820. Col. No. 19120. Highland valley, Garcia Pass. Bushy shrub to six feet high; seed heads abundant.

273821. *PROTEA* sp.

Col. No. 19114. Rocky slope, Torinberg, Ladysmith District, Cape Province. Elevation 4,500 feet. Short, spreading shrub; leaves large; "cones" large with curly, dry bracts.

273822. *RORIDULA* sp. *Droseraceae*.

Col. No. 19035. Wet, peaty soil between Bot River and Kleinmond, Cape Province. Annual to 10 inches high; flowers reddish.

273823. *SERRURIA ACROCARPA* R. Br. *Proteaceae*.

Col. No. 19066. Rocky slope, Du Toits Kloof, Worcester District, Cape Province. Plant to three feet high, 4.5 feet wide, attractive; flower heads many colored.

273824. *SERRURIA ELONGATA* R. Br.

Col. No. 19048. Rocky mountain slope above Napier, Bredasdorp District. Elevation 700 feet. Perennial herb to 3.5 feet high; flowers mauve, in umbellate panicles.

273825. *WATSONIA MERIANA* (L.) Miller *Iridaceae*.

Col. No. 19037. Moist, peaty soil between Bot River and Kleinmond. Flowers yellow or salmon colored.

## 273792 to 273829—Continued

273826. *WATSONIA PYRAMIDATA* (Andrews) Klatt.

Col. No. 19036. Moist, peaty soil between Bot River and Kleinmond. Racemes long; flowers pink to red.

273827. *WATSONIA* sp.

Col. No. 19005.

273828. *WATSONIA* sp.

Col. No. 19126. Recently burned-over area, Outeniqua Pass, George District, Cape Province. Elevation 2,000 feet.

273829. *WATSONIA* sp.

Col. No. 19133. Eighteen miles west of Humansdorp. Elevation 150 feet. Flower spikes long; flowers bright orange.

## 273830 to 273859.

From Japan. Plants purchased from Miura-Noen, Nippa, Kohoku, Yokohama. Received April 6, 1961.

273830. *ACER CAPILLIPES* Maxim. ex Miquel Aceraceae.

'Kyo-nishiki'. Leaves variegated.

273831. *ACER PALMATUM* Thunb.

Japanese maple.

'Asahi-kaede'. Leaves variegated.

273832 and 273833. *ACER JAPONICUM* Thunb.

Fullmoon maple.

273832. 'Meigetsu'.

273833. 'O-taki'.

273834. *ACER PALMATUM* Thunb.

Japanese maple.

'Orido-nishiki'. Leaves large, variegated.

273835. *ACER MONO* Maxim. Aceraceae.

'Shufu-nishiki'. Leaves variegated.

273836 to 273859. *ACER PALMATUM* Thunb. Aceraceae. Japanese maple.

273836. 'Awo-seigai'.

273837. 'Beni-Shichikenge'.

273838. 'Daimyo-nishiki'.

273839. 'Hime-no-uchi'. Leaves green, long lobed, not cut to base.

273840. 'Izimasunago'.

273841. 'Issun-kagami'.

273842. 'Kagiri-nishiki'.

273843. 'Karaori-nishiki'.

273844. 'Kasagiyama'.

273845. 'Kasen-nishiki'.

273846. 'Kinran'.

273847. 'Kurui-Jishi'.

273848. 'Mama'. Leaves small, upright.

273849. 'Masu-kagami'.

273850. 'Nishiki-gasane'.

273851. 'Ryumon-nishiki'.

273852. 'Samidare'.

**273830 to 273859—Continued****273836 to 273859—Continued**

273853. 'Sazanami'. Leaves cut, purple.  
273854. 'Shishigashira'.  
273855. 'Tamukeyama'. Leaves small, red.  
273856. 'Beni-Shidore'. Leaves tricolored.  
273857. 'Tatsutagawa'. Leaves green.  
273858. 'Utsusemi'. Leaves large, yellowish.  
273859. 'Yatsubusa'. Leaves small.

**273860 to 274017.**

From Ethiopia. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 7, 1961.

**273860 and 273861. ANDROPOGON ABYSSINICUS R. Br. Poaceae.**

273860. Col. No. 1826. Road south of golf course, Agricultural College, Aremaya.

273861. Col. No. 1986. Nine miles west of Jimma.

**273862. ANDROPOGON ABYSSINICUS R. Br. ex Fresen.**

Col. No. 1960. Roadside field. Bunchgrass to 2.5 feet high.

**273863. ANDROPOGON PRATENSIS Hochst. ex Hack.**

Col. No. 1996. Twenty-five miles west of Jimma. Elevation 8,500 feet. Dense stand of solid turf; little grazed.

**273864. ARGYROLOBIUM ABYSSINICUM Jaub. & Spach. Fabaceae.**

Col. No. 1834. Wash, east side of college land, Aremaya. Bushy perennial resembling *Lotus*. Plants to one foot high.

**273865. AVENA sp. Poaceae.**

Col. No. 1959. Wild in barley field.

**273866. AVENA sp.**

Col. No. 1993. Wild in wheat field.

**273867. AVENA sp.**

Col. No. 1956. Wild in barley field.

**273868. AVENA sp.**

Col. No. 2028. Wild in Nadda region.

**273869. BROMUS sp. Poaceae.**

Col. No. 2026. Nadda region. Elevation 8,100 feet. Bunchgrass to five feet high; culms slender; leaves few; panicles large, slender, open.

**273870. BROMUS RUNSSOROENSIS K. Schum.**

Col. No. 2099. Five miles northwest of Ferda Chercher highlands. Tall bunchgrass; stems slender; leaves few; a forest grass.

**273871. CAJANUS CAJAN (L.) Druce. Fabaceae. Pigeonpea.**

Col. No. 2035. Jimma garden. Shrub to six feet tall; peas edible.

**273872 and 273873. CARTHAMUS OXYACANTHUS M. Bieb. Asteraceae.**

273872. Col. No. 1824. Near corral, east side of college land, Aremaya. Plants to five feet high, much branched.

273873. Col. No. 1946. In wild, 20 miles south of Addis Ababa.



## 273860 to 274017—Continued

- 273874 to 273877. *CARTHAMUS TINCTORIUS* L. Safflower.  
273874. Col. No. 1857. Harar market.  
273875. Col. No. 1920. Addis Ababa market.  
273876. Col. No. 2110. Asmara market.  
273877. Col. No. 2118. Asmara market.
273878. *CHLORIS GAYANA* Kunth Poaceae. Rhodesgrass.  
Col. No. 2063. Coffee nursery between airport and Gondar.
- 273879 and 273880. *CICER ARIETINUM* L. Fabaceae. Chickpea.  
273879. Col. No. 1862. Harar market.  
273880. Col. No. 1935. Addis Ababa market.
273881. *CROTALARIA* sp. Fabaceae.  
Col. No. 1954. In wild, Experiment Station, Bishoftu.
273882. *CROTALARIA* sp.  
Col. No. 1984. In wild, eight miles west of Jimma. Elevation 6,500 feet.
273883. *CROTALARIA* sp.  
Col. No. 2021. Steep mountain slope, roadside, Nadda region. Elevation 7,500 feet. Suffrutescent herb to three feet high.
273884. *CROTALARIA* sp.  
Col. No. 2046. Coffee nursery area, Jimma. Plant about 20 feet high, three years old. May be coffee shade tree.
273885. *CYNODON* sp. Poaceae.  
Col. No. 1897.
- 273886 and 273887. *ELEUSINE CORACANA* (L.) Gaertn. Poaceae. Ragi.  
273886. Col. No. 1927. Addis Ababa market.  
273887. Col. No. 2120. Asmara market.
273888. *ELEUSINE JAEGERI* Pilger  
Col. No. 1919. Addis Ababa market. Stems tough, used for weaving baskets. May have erosion control and soil stabilization value.
- 273889 and 273890. *ERAGROSTIS TEF* (Zucc.) Trotter Poaceae. Tef.  
273889. Col. No. 1931. Addis Ababa market. Seeds red.  
273890. Col. No. 1932. Addis Ababa market. Seeds white.
- 273891 and 273892. *GLYCINE JAVANICA* L. Fabaceae.  
273891. Col. No. 1836. Plants wild on college land, Aremaya.  
273892. Col. No. 1981. Three miles west of Jimma. Climbing over tea plants in abandoned plantation.
273893. *GOSSYPIUM* sp. Malvaceae.  
Col. No. 1880. Harar market.
273894. *GOSSYPIUM* sp.  
Col. No. 1928. Addis Ababa market.
273895. *GOSSYPIUM* sp.  
Col. No. 2039. Jimma market.
273896. *GOSSYPIUM* sp.  
Col. No. 2056. Gondar market.

**273860 to 274017—Continued****273897 to 273926. HORDEUM VULGARE L. Poaceae.**

273897. Col. No. 1818. Village five miles west of Aremaya. Used as a thatch.

273898. Col. No. 1856. Harar market.

273899. Col. No. 1863. Harar market.

273900. Col. No. 1891. Dire Dawa market.

273901. Col. No. 1936. Addis Ababa market.

273902. Col. No. 1955. Plateau, 10 miles northwest of Addis Ababa. Elevation 9,200 feet.

273903. Col. No. 1958. Plateau, 12 miles northwest of Addis Ababa. Elevation 9,000 feet.

273904. Col. No. 1988. Nine miles west of Jimma. Elevation 6,700 feet.

273905. Col. No. 1997. Six miles from Agoro. Elevation 7,500 feet.

273906. Col. No. 2007. Socca market.

273907. Col. No. 2008. Socca market.

273908. Col. No. 2030. Nadda region. Elevation 8,200 feet.

273909. Col. No. 2036. Jimma market.

273910. Col. No. 2055. Gondar market. Seeds black.

273911. Col. No. 2058. Gondar market. Seeds white.

273912 to 273920. Agricultural College, Aremaya. From Debre Berkan.

273912. Col. No. 2066.

273913. Col. No. 2067.

273914. Col. No. 2068.

273915. Col. No. 2070.

273916. Col. No. 2071.

273917. Col. No. 2072.

273918. Col. No. 2074. Seeds black, two rowed, with unusual glumes on fertile spikelets. Said to be good for malting.

273919. Col. No. 2075.

273920. Col. No. 2076.

273921 to 273923. Agricultural College, Aremaya.

273921. Col. No. 2080.

273922. Col. No. 2081. Seeds naked, two rowed.

273923. Col. No. 2084.

273924. Col. No. 2095. Mountainside, three miles southwest of Carmella, Chercher Highlands. Elevation 7,670 feet.

273925. Col. No. 2096. Six miles east of Ferda, Chercher Highlands. Elevation 8,200 feet.

273926. Col. No. 2116. Asmara market.

**273927. HYPARRHENIA CYMBARIA (L.) Stapf. Poaceae.**

Col. No. 1831. Lower terrace, Agricultural College, Aremaya. Bunch-grass to six feet high.

## 273860 to 274017—Continued

273928. *HYPARRHENIA HIRTA* (L.) Stapf.

Col. No. 1820. Small deferred patch, 10 miles west of Aremaya. Plants to six feet high, stemmy.

273929. *HYPARRHENIA RUFA* (Nees) Stapf.

Col. No. 1839. Agricultural College, Aremaya. Plants to seven feet high.

273930. *HYPARRHENIA HIRTA* (L.) Stapf.

Col. No. 1949. Roadside, 25 miles south of Addis Ababa. Bunchgrass to 4.5 feet high; stems slender; racemes silvery, nodding.

273931. *HYPARRHENIA RUFA* (Nees) Stapf.

Col. No. 1950. Roadside, 25 miles south of Addis Ababa. Plants to 5.5 feet high.

273932. *HYPARRHENIA* sp.

Col. No. 2011. One mile east of Socca. Plants to 11 feet high.

273933. *HYPARRHENIA* sp.

Col. No. 2060. Airport, Debre Markos. Bunchgrass to 3.5 feet high.

273934. *HYPARRHENIA* sp.

Col. No. 2064. Near coffee nursery, between airport and Gonder. Reddish-brown bunchgrass to 3.5 feet high; racemes short.

273935 and 273936. *LINUM USITATISSIMUM* L. Linaceae. **Flax.**

273935. Col. No. 1850. Harar market.

273936. Col. No. 1922. 'Telva'. Addis Ababa market.

273937 and 273938. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**

273937. Col. No. 1837. Plants in wild, pasture near Agricultural College, Lake Aremaya. Well grazed.

273938. Col. No. 1896. Plants in wild, in turf.

273939. *NIGELLA SATIVA* L. Ranunculaceae. **Black cumin.**

Col. No. 1877. 'Avosedda'. Harar market.

273940. *PENNISSETUM* sp. Poaceae.

Col. No. 1944. Thin rocky soil, 25 miles north of Bishoftu. Bunchgrass in wild, to three feet high; plants tough and stemmy.

273941. *PENNISSETUM* sp.

Col. No. 1957. Tough, wiry, stemmy bunchgrass to 3.5 feet high.

273942. *PENNISSETUM* sp.

Col. No. 1961. Plateau, 11 miles northwest of Addis Ababa. Elevation 9,200 feet. Plant tough, to six feet high; used for basket weaving.

273943. *PENNISSETUM* sp.

Col. No. 2015. Roadside field two miles east of Socca. Used for basket weaving.

273944 to 273946. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

273944. Col. No. 1869. Harar market.

273945. Col. No. 2043. Jimma market.

273946. Col. No. 2108. Asmara market.



## 273860 to 274017—Continued

- 273947 to 273949. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.  
 273947. Col. No. 1870. Harar market. Seeds brown.  
 273948. Col. No. 1911. Addis Ababa market. Seeds brown.  
 273949. Col. No. 2052. Gondar market. Seeds nearly white.
273950. *SETARIA POLYPHYLLA* Stapf. Poaceae.  
 Col. No. 1948. Bunchgrass to 2.5 feet high.
273951. *SORGHUM HALEPENSE* (L.) Pers. Poaceae. Johnsongrass.  
 Col. No. 1953. Experiment Station, Bishoftu. Could be a short-day type.
273952. *SORGHUM VERTICILLIFLORUM* (Steud.) Stapf Tabucki grass.  
 273953 to 273972. *SORGHUM BICOLOR* (L.) Moench
273953. Col. No. 1848. Harar market. Grain yellow.  
 273954. Col. No. 1860. Harar market.  
 273955. Col. No. 1883. Dire Dawa market.  
 273956. Col. No. 1899. Farm two miles east of Agricultural College, Aremaya.  
 273957. Col. No. 1910. 'Zengada'. Addis Ababa market.  
 273958. Col. No. 1921. Addis Ababa market. Seeds pearly.  
 273959. Col. No. 1929. Addis Ababa market.  
 273960. Col. No. 1934. Addis Ababa market. Red-seeded types.  
 273961. Col. No. 1952. Koka dam site, Awash River, Addis Ababa. Heads open. Used in making bread.  
 273962. Col. No. 1998. Socca market.  
 273963. Col. No. 2005. Socca market. Seeds red.  
 273964. Col. No. 2006. Socca market. Seeds white.  
 273965. Col. No. 2013. Field 1.6 miles east of Socca. Plant 12 feet high; head open; seeds white.  
 273966. Col. No. 2050. Gondar market.  
 273967. Col. No. 2057. Gondar market.  
 273968. Col. No. 2079. Agricultural College, Aremaya.  
 273969. Col. No. 2106. Asmara market.  
 273970. Col. No. 2109. Asmara market. Seeds yellow.  
 273971. Col. No. 2114. Asmara market. Seeds yellow.  
 273972. Col. No. 2117. Asmara market. Seeds large.
273973. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. Fenugreek.  
 Col. No. 1855. Abish. Harar market.
- 273974 to 273976. *TRITICUM ABYSSINICUM* Steud. Poaceae.  
 273974. Col. No. 1842. Harar market. Seeds purple.  
 273975. Col. No. 1932. Addis Ababa market.  
 273976. Col. No. 1938. Roadside field, southern edge of Addis Ababa.
273977. *TRITICUM AESTIVUM* L. Common wheat.  
 Col. No. 1985. Steep hillside, nine miles west of Jimma. Elevation 6,700 feet. Italian wheat.

## 273860 to 274017—Continued

273978 to 273982. *TRITICUM DICOCCUM* Schrank Emmer.

273978. Col. No. 1817. Intensively farmed area, steep slopes, soil reddish. Village five miles west of Aremaya, Harar Province. Elevation 6,000 feet.

273979. Col. No. 1854. Harar market.

273980. Col. No. 1914. Addis Ababa market. Used for breakfast food and in medicine.

273981. Col. No. 1940. Five and one-half miles south of Addis Ababa.

273982. Col. No. 2098. Steep mountain slope, Chercher Highlands, three miles east of Ferda. Elevation 8,200 feet.

273983 to 273986. *TRITICUM TURGIDUM* L. Poulard wheat.

273983. Col. No. 2027. Steep slope, Nadda region. Elevation 8,100 feet. Plants to five feet high; awns long.

273984. Col. No. 2042. Jimma market.

273985. Col. No. 2047. Field five miles south of Addis Ababa.

273986. Col. No. 2051. Gondar market.

273987. *TRITICUM* sp.

Col. No. 1847. Harar market.

273988. *TRITICUM* sp.

Col. No. 1849. Harar market.

273989. *TRITICUM* sp.

Col. No. 1858. Harar market.

273990. *TRITICUM* sp.

Col. No. 1864. Harar market.

273991. *TRITICUM* sp.

Col. No. 1924. Addis Ababa market.

273992. *TRITICUM* sp.

Col. No. 1937. Southern edge of Addis Ababa.

273993. *TRITICUM* sp.

Col. No. 1939. Field five miles south of Addis Ababa.

273994. *TRITICUM* sp.

Col. No. 1941. Five and one-half miles south of Addis Ababa. Black-glumed wheat.

273995. *TRITICUM* sp.

Col. No. 1942. Six miles south of Addis Ababa. Purple wheat.

273996. *TRITICUM* sp.

Col. No. 1943. Six miles south of Addis Ababa.

273997. *TRITICUM* sp.

Col. No. 2065. Imperial Ethiopian College, Aremaya. From Debre Berkan.

273998. *TRITICUM* sp.

Col. No. 2069. Imperial Ethiopian College, Aremaya. From Debre Berkan.

**273860 to 274017—Continued****273999. TRITICUM sp.**

Col. No. 2073. Agricultural College, Aremaya. From Debre Berkan.

**274000. TRITICUM sp.**

Col. No. 2077. Agricultural College, Aremaya. From Debre Berkan.

**274001. TRITICUM sp.**

Col. No. 2078. Agricultural College, Aremaya. From Debre Berkan.

**274002. TRITICUM sp.**

Col. No. 2082. 'Gonde'. Agricultural College, Aremaya. From Debre Berkan.

**274003. TRITICUM sp.**

Col. No. 2094. Chercher Highlands three miles southwest of Cormella. Elevation, 7,670 feet.

**274004. VICIA FABA L. Fabaceae.****Broadbean.**

Col. No. 1844. Harar market.

**274005. VICIA sp.**

Col. No. 2113. 'Sebere'. Asmara market.

**274006. VIGNA CYLINDRICA (L.) Skeels Fabaceae.****Catjang.**

Col. No. 2111. Asmara market.

**274007. VIGNA SINENSIS (Torner) Savi****Cowpea.**

Col. No. 2107. Asmara market.

**274008 to 274017. ZEA MAYS L. Poaceae.****Corn.****274008.** Col. No. 1846. Harar market.**274009.** Col. No. 1892. Dire Dawa market.**274010.** Col. No. 1894. Dire Dawa market.**274011.** Col. No. 1913. Addis Ababa market.**274012.** Col. No. 1926. Addis Ababa market.**274013.** Col. No. 2000. Socca market.**274014.** Col. No. 2004. Socca market.**274015.** Col. No. 2053. Gondar market.**274016.** Col. No. 2105. Asmara market.**274017.** Col. No. 2115. Asmara market.**274018 to 274029.**

From Great Britain. Plants purchased from R. C. Notcutt, Limited, Woodbridge, Suffolk, England. Received April 10, 1961.

**274018. CAMELLIA JAPONICA L. Theaceae.****Common camellia.**

'Jupiter'.

**274019 and 274020. CLEMATIS (hybrids). Ranunculaceae.****274019.** 'Duchess of Sutherland'.**274020.** 'Duke of Edinburgh'.**274021 and 274022. HIBISCUS SYRIACUS L. Malvaceae.****Shrub-althea.****274021.** 'Ramunculiflorus Plenus'.**274022.** 'Rubis Woodbridge'.



**274018 to 274029—Continued**

274023. *SKIMMIA* × *FOREMANII* var. *ROGERSII* (Masters) Rehder Rutaceae.

274024. *SKIMMIA LAUREOLA* (DC.) Sieb. & Zucc.

274025. *SKIMMIA REEVESIANA* var. *RUBELLA* (Carr.) Rehder

274026. *SKIMMIA VEITCHII* Carr.

274027 and 274028. *VIBURNUM* × *BODNANTENSE* Aberconway

Caprifoliaceae.

274027. 'Dawn'.

274028. 'Deben'.

274029. *VIBURNUM TINUS* L.

*Laurustinus*.

'Clyne Castle'.

**274030 to 274032. *SORGHUM BICOLOR* (L.) Moench Poaceae.**

From Ethiopia. Seeds presented by the United States Operations Mission, Addis Ababa. Received April 11, 1961.

274030. 'Ethiopian Selection No. 3'.

274031. 'Ethiopian Selection No. 4'.

274032. 'Kulubi Dwarf'.

**274033 to 274037.**

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 11, 1961.

274033. *ASPARAGUS* sp. Convallariaceae.

Col. No. 18897. Near Uitenhage Cape Province. Elevation 300 feet. Scandent perennial.

274034. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae.

*Watermelon*.

Col. No. 19053. Napier, Bredasdorp District, Cape Province. Plants spontaneous about the farmlands.

274035. *CITRULLUS* sp.

Col. No. 956. Disturbed soil near roadside, 20 miles east of Middelberg, road to Steynsburg, Cape Province. Sprawling herb; flowers yellow.

274036. *CUCUMIS AFRICANUS* L. f. Cucurbitaceae.

Col. No. 19172. Gravelly ground, Pietersburg, Transvaal.

274037. *CYCLOPIA* sp. Fabaceae.

Col. No. 19072. Near Tulbagh, Cape Province. Virgate perennial to three feet high. Probably used for tea.

**274038 and 274039. *GOSSYPIUM BARBADENSE* L. Malvaceae.**

*Sea-island cotton*.

From British Guiana. Seeds presented by the Central Agricultural Station, Department of Agriculture, Georgetown. Received April 11, 1961.

274038. No. 1. From Kitty, East Coast, Demerara.

274039. No. 2. From Beterverwagting, East Coast, Demerara. Shrub to 12 feet high; branches purplish, slightly pubescent; leaves three lobed, acuminate; stipules linear; flowers axillary with involucre of three heart-shaped laciniate bracts; calyx obsoletely dentate; petals yellow with purplish tinge; seeds covered with green fuzz; lint easily separable.

**274040 and 274041. CORONILLA VARIA L. Fabaceae.****Crownvetch.**

From the United States. Seeds held in storage at the United States Regional Plant Introduction Station, Ames, Iowa. Numbered April 11, 1961.

274040. Ml-4902. Collected between Decorah and Calmar, Winneshiek County, Iowa. Plants vigorous, semiprostrate, fall recovery good, hardy, good seed producer.

274041. Ml-5819. Collected at Sunrise, Kentucky. Description same as P.I. 274040.

**274042 to 274065. SPINACIA OLERACEA L. Chenopodiaceae.****Spinach.**

From Great Britain. Seeds presented by the Unilever Limited Food Research Department, Bedford, England. From breeders as indicated. Received April 11, 1961.

274042. 'Best of All'. From Abraham Sluis.

274043. 'Clucas Broadleaf'. From J. L. Clucas Limited.

274044. 'Early Giant' (Prickly-seeded). From Sluis en Groot.

274045. 'El-De-Es'. From Zwaan and De Wiljes.

274046. 'Elsoms 23'. From Elsom.

274047. 'Elsoms 23' × 'Troubadour' (Hybrid Cgl.) From Colworth.

274048. 'Giant Early Leaf'. From Sluis en Groot.

274049. 'Hammenhogs Vinter'. From Otto J. Olsen and Sons.

274050. 'Hiemalis'. From Sluis Bros.

274051. 'Matador Improved'. From Dochnfeldts.

274052. 'Nobell II'. From Weibulls.

274053. 'Noorman'. From Jacob Jong.

274054. 'Noorman'. From Rijk Zwaans.

274055. 'Noorman Viking'. From Evesham.

274056. 'Proloog'. From Rijk Zwaans.

274057. 'Stamef'. From Wed P. de Jong.

274058. 'Summer Savoy'. From Zwaan and De Wiljes.

274059. 'Supra'. From Zwaan and De Wiljes.

274060. 'Toftegard'. From Hansens.

274061. 'Viking'. From Dochnfeldts.

274062. 'Viking'. From Otto J. Olsen and Sons.

274063. 'Viking'. From Sluis en Groot.

274064. 'Viking II'. From Weibulls.

274065. 'Wisemona'. From Sperling.

**274066. MALUS SYLVESTRIS Mill. Malaceae.**

From Denmark. Scions presented by Count F. M. Knuth, Knuthenborg, Bandholm. Received April 11, 1961.

'Hermann'.

**274067. PYRACANTHA CRENULATA (D.Don) Roemer Malaceae.****Nepal firethorn.**

From Great Britain. Cuttings presented by the Royal Botanic Garden, Edinburgh, Scotland. Received April 11, 1961.

'Taliensis'.

**274068 to 274077.**

From Great Britain. Seeds presented by the Department of Agricultural Botany, Reading University, Reading, England. Received April 11, 1961.

274068. *MELILOTUS ALBA* Desr. Fabaceae. **White sweetclover.**

No. 251.

274069. *MELILOTUS OFFICINALIS* (L.) Lam. **Yellow sweetclover.**

No. 252.

274070 and 274071. *TRIFOLIUM HYBRIDUM* L. Fabaceae. **Alsike clover.**

274070. No. 258 (2X).

274071. No. 259 (4X).

274072. *TRIFOLIUM INCARNATUM* L. **Crimson clover.**

No. 260.

274073. *TRIFOLIUM OCHROLEUCON* Huds.

No. 261.

274074. *TRIFOLIUM PANNONICUM* Jacq.

No. 262.

274075 and 274076. *TRIFOLIUM PRATENSE* L. **Red clover.**

274075. No. 263. 'Vale of Clwyd' (2X).

274076. No. 264 (4X).

274077. *TRIFOLIUM REPENS* L. **Whiteclover.**

No. 265 (4X).

**274078 to 274091.**

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 11, 1961.

274078. *ARGYROLOBIUM* sp. Fabaceae.

Col. No. 19166. Rocky slope, Haenertsburg, Pietersburg District, Transvaal. Elevation 4,500 feet. Bushy, perennial herb to 20 inches high.

274079. *CROTALARIA AUSTRALIS* Bak. f. ex Char.

Col. No. 19162. Grassland, Pietersburg, Transvaal. Bushy herb to four feet high; flowers yellow; spikes long, seeding freely.

274080. *CROTALARIA* sp.

Col. No. 19170. Gravelly roadside, Pietersburg, Transvaal. Bushy summer annual to 16 inches high; flowers yellow; spikes long; seed pods small, obovoid.

274081. *PASPALUM DILATATUM* Poir. Poaceae. **Dallisgrass.**

Col. No. 19155. Havelock, Swaziland. Elevation 4,000 feet. Plants with long, weak canes; leaves sparse.

274082. *CENCHRUS CILIARIS* L. Poaceae.

Col. No. 19092. Along barren pit and arroyo, 30 miles northeast of Beaufort West, Cape Province. Xerophyte with much palatable foliage.

274083. *PLAGIOCHLOA UNIOLAE* (L.f.) Adamson & Sprague Poaceae.

Col. No. 19068. Du Toits Kloof, Worcester District, Cape Province. Plants form small bushy clumps to two feet high; culms numerous.



**274078 to 274091—Continued**

274084. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.

Col. No. 19161. Roadside thorn forest, between Lydenburg and Pietersburg, Transvaal. Spreading bush to four feet high.

274085. *SESAMUM ALATUM* Thonn. Pedaliaceae.

Col. No. 19156. Sandy granitic soil, Pretorius Kop, Kruger Park, Transvaal. Annual to three feet high; stem slender, single.

274086 and 274087. *SESAMUM ANGOLENSE* Welw.

274086. Col. No. 19167. Acacia grassland, 29 miles south of Messina, Transvaal. Tall virgate annual; some stems branching; flowers mauve, livid on lower lip.

274087. Col. No. 19173. Gravelly roadside, 17 miles north of Nylstroom, Waterberg District, Transvaal. Short-lived herbaceous perennial to six feet high; stem woody; branches long, divergent; flowers pale mauve; capsules sparse, indeterminate.

274088. *SESAMUM* sp.

Col. No. 19143. Sandy soil in Karoo veld, 22 miles south of Koffiefontein, road to Fauresmith. Indeterminate summer annual to four feet high; flowers purple; capsules paired along stem.

274089. *TEPHROSIA* sp. Fabaceae.

Col. No. 19174. Gravelly roadside, 17 miles north of Nylstroom, Waterberg District, Transvaal. Perennial herb, to six feet high, with single caudex; branches, several, arching; flowers pale lavender.

274090. *TETRACHNE DREGII* Nees Poaceae.

Col. No. 19141. Environs of Grootfontein. Elevation 4,000 feet. Well tufted xerophytic summer grass; leaves green. Seeds easily germinated but have high mortality as seedling lifts itself out of the soil. Valued as pasture grass.

274091. *THEMEDA TRIANDRA* Forsk. Poaceae. Rooi grass.

Col. No. 18906. Roadside, Karoo Veld, 20 miles southeast of Middelberg, towards Cradock, Cape Province. Elevation 3,500 feet. Leafy, bushy perennial to 32 inches high. Well grazed. Annual rainfall 12 to 20 inches. Temperature low as 15° F.

**274092 and 274093.**

From Colombia. Cuttings presented by George C. Van den Bergh, Barranquilla. Received April 12, 1961.

274092. *HIBISCUS* sp. Malvaceae.

274093. *HIBISCUS* sp.

**274094 to 274097.**

From Finland. Cuttings presented by Mustilan Taimitarhat, Mustila, Elimaki. Received April 13, 1961.

274094. *LARIX GMELINII* (Rupr.) Rupr. Pinaceae.

274095. *LARIX GMELINII* var. *JAPONICA* (Reg.) Pilger

274096. *LARIX GMELINII* var. *OLGENSIS* (Henry) Ost. & Syr.-Lar.

274097. *LARIX OCCIDENTALIS* Nuttall

**274098 to 274151.**

From the Netherlands. Plants purchased from William C. Hage, Boskoop. Received April 14, 1961.

274098. *ABIES AMABILIS* (Loud.) Forbes Pinaceae.

'Procumbens'.

## 274098 to 274151—Continued

274099. *ABIES CEPHALONICA* Loud. Greek fir.  
 'Nana'.
274100. *ABIES NORDMANNIANA* f. *AUREA* (Beissn.) Rehder  
 'Spicata'.
274101. *ABIES NUMIDICA* DeLannoy ex Carr. Algerian fir.  
 'Glaucata'.
274102. *ABIES PROCERA* f. *PROSTRATA* (Hornibr.) Rehder
- 274103 to 274107. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Lawson falsecypress.  
 Pinaceae.
274103. 'Darlensis'. 274106. 'Lombarts Glaucata'.  
 274104. 'Drummondi'. 274107. 'New Golden'.  
 274105. 'Hogger'.
274108. *CHAMAECYPARIS LAWSONIANA* f. *ARGENTEA* (Gord.) Beissn.  
 'Caudata'.
274109. *CHAMAECYPARIS LAWSONIANA* f. *FRASERI* (Beissn.) Lipa. Falsecypress.
- 274110 to 274114. *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl. Hinoki falsecypress.
274110. 'Hages'. 274113. 'Templehof'.  
 274111. 'Lutea Nova'. 274114. 'Tonia'.  
 274112. 'Repens'.
274115. *CHAMAECYPARIS OBTUSA* f. *ALBO-SPICA* (Beissn.) Beissn.
274116. *CHAMAECYPARIS OBTUSA* f. *AUREA* (Gord.) Rehder  
 'Spicata'.
274117. *CHAMAECYPARIS NOOTKATENSIS* f. *PENDULA* (Beissn.) Rehder  
 'Argentea-Variegata'.
274118. *JUNIPERUS CHINENSIS* L. Pinaceae. Chinese juniper.  
 'Kaizuka'.
274119. *JUNIPERUS COMMUNIS* L. Common juniper.  
 'Candalabriformis'.
274120. *JUNIPERUS SCOPULORUM* f. *HORIZONTALIS* (D. Hill) Rehder
- 274121 to 274125. *PICEA ABIES* (L.) Karst. Pinaceae. Norway spruce.
274121. 'Acracoma'. 274124. 'Echiniformis Glaucata'.  
 274122. 'Cranstoni'. 274125. 'Hornibrooki'.  
 274123. 'Doversi Pendula'.
274126. *PICEA ABIES* f. *FINEDONENSIS* (Gord.) Rehder
274127. *PICEA ABIES* f. *VIMINALIS* (Alstr.) Lindman
274128. *PINUS* (hybrid). Pinaceae.
274129. *PICEA LIKIANGENSIS* var. *BALFOURIANA* (Rehd. & Wils.) Cheng  
 Pinaceae.
274130. *PICEA ORIENTALIS* f. *AUREO-SPICATA* Beissn.
- 274131 and 274132. *PICEA PUNGENS* Englem.
274131. 'Endzii'.
274132. 'Otto von Bismark'.

## 274098 to 274151—Continued

274133. *ABIES* sp. Pinaceae.  
'Pendula'.
- 274134 and 274135. *PINUS CEMBRA* L. Pinaceae. Swiss stone pine.  
274134. 'Compacta'.
274135. 'Compacta Glauca'.
- 274136 and 274137. *PINUS HELDREICHII* var. *LEUCODERMIS* (Ant.) Markgraf.  
274136. No data.
274137. 'Aureo-Spicata'.
- 274138 and 274139. *PINUS MUGO* Turra. Swiss mountain pine.  
274138. 'Mops'.
274139. 'Kobolt'.
274140. *PINUS NIGRA* Arnold Austrian pine.  
'Aurea'.
274141. *PINUS PARVIFLORA* Sieb. & Zucc. Japanese white pine.  
'Gimborni'.
274142. *PINUS PARVIFLORA* f. *GLAUCA* Beissn.  
'Ho-I-Mey'.
274143. *PINUS* × *SCHWERINII* Fitschen
274144. *PINUS STROBUS* L.  
'Nivea'.
274145. *PICEA* sp. Pinaceae.  
'Blue Wonder'.
274146. *PSEUDOTSUGA MENZIESII* (Mirb.) Franco. Pinaceae. Douglas-fir.
274147. *TAXUS BACCATA* L. Taxaceae. English yew.  
'Cavendishi'.
- 274148 and 274149. *THUJA OCCIDENTALIS* L. Pinaceae.  
274148. 'Beaufort'.
274149. 'Indomitabile'.
274150. *TSUGA HETEROPHYLLA* (Raf.) Sarg. Pinaceae. Western hemlock.  
'Conica'.
274151. *TSUGA MERTENSIANA* f. *ARGENTEA* (Beissen.) Rehder

## 274152 to 274159.

From India. Plants purchased from the Imperial Nursery, Calcutta. Received April 17, 1961.

274152. *HOLMSKIOIDIA SANGUINEA* Retz. Verbenaceae.
274153. *LAGERSTROEMIA THORELLI* Gagnep. Lythraceae.
274154. *LAGERSTROEMIA* sp.
274155. *LAGERSTROEMIA* sp.
274156. *LAWSONIA INERMIS* L. Lythraceae. Henna.  
'Alba'.
274157. *MAGNOLIA MUTABILIS* Regel Magnoliaceae.
274158. *MAGNOLIA PUMILA* Andr.
274159. *MAGNOLIA PTEROCARPA* Roxb.



**274160 to 274170.**

From Sweden. Plants presented by Magnus Johnson's Plantskola, Soder-talje. Received April 17, 1961.

274160. *CLEMATIS AETHUSIFOLIA* Trucz. Ranunculaceae.  
 274161. *CLEMATIS FARGESII* var. *SOUILEI* Finet & Gagnepain  
 274162. *CLEMATIS FUSCA* var. *VIOLACEA* Maxim.  
 274163. *CLEMATIS GLAUCA* var. *AKEBIOIDES* (Maxim) Rehd. & Wils.  
 274164. *CLEMATIS GOURIANA* Roxb.  
 274165. *CLEMATIS GRACILIFOLIA* Rehd. & Wils.  
 274166. *CLEMATIS MEYENIANA* Walpers.  
 274167. *CLEMATIS SERRATIFOLIA* Rehd. Korean clematis.  
 274168. *CLEMATIS TANGUTICA* (Maxim.) Korsh. Golden clematis.  
 274169. *CLEMATIS TOSAENSIS* Makino

'Crenea'.

274170. *CLEMATIS* sp.

**274171 to 274173.**

From Canada. Plants purchased from the Alpenglw Gardens, New Westminster, British Columbia. Received April 19, 1961.

274171. *CLEMATIS* sp. Ranunculaceae.  
 274172. *EUCRYPHIA GLUTINOSA* (Poepp. & Endl.) Baillon Eucryphiaceae.  
 274173. *PHILADELPHUS* sp. Hydrangeaceae.

'Nuage Rose'.

274174. *LYCOPERSICON PIMPINELLIFOLIUM* (Jusl.) Mill. Solanaceae. Currant tomato.

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Ames, Iowa.

A component of P.I. 262892, from Mexico. Plant indeterminate, medium size, intermediate habit; stem hairy; leaves medium small, nonpotato, non-wilty; fruit nonpubescent, without cracks, globe shape 0.25-0.375 inch, two loculed, nonfasciated; flesh red, medium dark; skin yellow. Fruit set light, early-midseason variety. Susceptible to mosaic and slightly to *Alternaria*.

- 274175 to 274204. *ARACHIS HYPOGAEA* L. Fabaceae. Peanut.

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Experiment, Georgia. Seeds originally from Bolivia, via the Manfredi Experiment Station, Argentina, and the University of North Carolina. Received April 21, 1961.

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|---------------------------|---------------------------|
| 274175. No. 470. RCM 368. | 274185. No. 480. RCM 378. |
| 274176. No. 471. RCM 369. | 274186. No. 481. RCM 379. |
| 274177. No. 472. RCM 370. | 274187. No. 482. RCM 380. |
| 274178. No. 473. RCM 371. | 274188. No. 483. RCM 381. |
| 274179. No. 474. RCM 372. | 274189. No. 484. RCM 382. |
| 274180. No. 475. RCM 373. | 274190. No. 485. RCM 383. |
| 274181. No. 476. RCM 374. | 274191. No. 486. RCM 384. |
| 274182. No. 477. RCM 375. | 274192. No. 487. RCM 385. |
| 274183. No. 478. RCM 376. | 274193. No. 488. RCM 386. |
| 274184. No. 479. RCM 377. | 274194. No. 489. RCM 387. |

**274175 to 274204—Continued**

274195. No. 490. RCM 388.	274200. No. 495. RCM 393.
274196. No. 491. RCM 389.	274201. No. 496. RCM 416.
274197. No. 492. RCM 390.	274202. No. 497. RCM 420.
274198. No. 493. RCM 391.	274203. No. 498. RCM 421.
274199. No. 494. RCM 392.	274204. No. 499. RCM 448.

**274205 to 273212. GLYCINE MAX (L.) Merrill Fabaceae.****Soybean.**

From Korea. Seeds presented by the Agricultural Experiment Station, Suwon. Received April 21, 1961.

274205. 'Boosuk'.	274209. 'Kumdu'.
274206. 'Choongpuk Back'.	274210. 'Kumgang Dailip'.
274207. 'Choojun'.	274211. 'Kumgang Solip'.
274208. 'Icksan'.	274212. 'Rikuw No. 3'.

**274213 to 274216. ORYZA SATIVA L. Poaceae.****Rice.**

From Japan. Seeds presented by the National Institute of Agricultural Sciences, Hishigahard, Kita-ku. Received April 24, 1961.

274213. No. 65-112. 'To-to'.
274214. No. 10-1273. 'Pi 4'.
274215. No. 10-1272. 'Pi 3'.
274216. No. 10-1336. 'Kongo' (Br 1).

**274217 to 274223. SOLANUM TUBEROSUM L. Solanaceae.****Potato.**

From the Union of Soviet Socialist Republics. Tubers presented by the All-Union Institute for Plant Industry, Leningrad. Received April 24, 1961.

274217. 'Detskoselskij'. 'Early Rose'  $\times$  X F<sub>2</sub> (*S. demissum*  $\times$  *S. andigenum*). Early. Wart and *Phytophora* resistant.
274218. 'Hibinian Early'.
274219. 'Kameraz No. 1'. ('Fitoforoustojezivij'  $\times$  'Zickingen'). Main crop. Wart and *Phytophora* resistant. Excellent virus indicator as all virus infections reportedly are visible.
274220. 'Lorch' ('Switez'  $\times$  'Furstenkrone'). Main crop. Susceptible to wart.
274221. 'Murmanskij'. 'Epicure'  $\times$  ('Epicure'  $\times$  'Cobbler'). Early. Wart resistant. Susceptible to *Oospora pustulans*.
274222. 'Priekulskij Rannij'. 'Cobbler'  $\times$  'Jubel'. Earliest. Wart resistant.
274223. 'Tmandra'. Has good canning qualities. Grown on Kolsnij Peninsula north of the Arctic Circle.

**274224. VITIS VINIFERA L. Vitaceae.****European grape.**

From the Union of Soviet Socialist Republics. Cuttings presented by the All-Union Institute for Plant Industry, Leningrad. Received April 24, 1961.

'Saperavi'.

- 274225 to 274228. CITRUS GRANDIS (L.) Osbeck Rutaceae. Shaddock.**  
 From Vietnam. Seeds presented by the Directorate of Agriculture, Saigon.  
 Received April 24, 1961.
274225. 'Buoi Da Lang'. Skin smooth.
274226. 'Buoi Duong Hong'. Fruit red, sweet.
274227. 'Buoi Oi'.
274228. 'Buoi Thanh-Tra'.
- 274229. GLYCINE HEDYSAROIDES Willd. Fabaceae.**  
 From Tanganyika. Seeds presented by the Southern Region Research Center, Nachingwea. Received April 24, 1961.
- 274230 to 274237.**  
 From Germany. Cuttings presented by the Forschungs-Institut fur Rebenzucht, Gailweilhof Siebeldingen uber Landau. Received April 3, 1961. Numbered April 25, 1961.
- 274230 and 274231. VITIS (hybrids). Vitaceae.
274230. Received as *V. bosenheim* (Sylvaner) 412.
274231. Received as *V. dorrenbach* (Muller-Thurgau) 412.
- 274232 to 274234. VITIS BERLANDIERI Planch. Wintergrape.
274232. 'La Font 9'.
274233. 'Salomon NR. 2'.
274234. 'Salomon WH 55'.
- 274235 and 274236. VITIS RUPESTRIS Scheele Sandgrape.
274235. 'St. George'.
274236. No data.
274237. VITIS VINIFERA L. European grape.  
 Received as *V. kalkofen* 1 (Riesling) 412.
- 274238 and 274239.**  
 From the United States. Seeds presented by Ira J. Condit, Riverside, Calif.  
 Received April 25, 1961.
274238. FICUS NEMORALIS Wall. ex Miquel Moraceae.
274239. FICUS ROXBURGHII Wall. ex Miquel
- 274240. PERSEA AMERICANA Mill. Lauraceae. Avocado.**  
 From the United States. Seed presented by R. A. Young, Takoma Park, Md.  
 Received April 25, 1961.
- Fruit purchased at local market; of interest because of small tight-fitting seed. Fruit long, pear-shaped, 5 by 2.5 inches, weight 10 to 12 ounces; skin dark green, slightly roughened, leathery; flesh firm, light colored; seed pointed, weight 0.33 ounce.
- 274241. ASPALATHUS CONTAMINATUS (L.) Druce Fabaceae.**  
 From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 25, 1961.
- Col. No. 994. 'Red Bush Tea'. Clanwilliam District, Cape Province. Perennial cultivated for tea.



**274242 to 274244.**

From the United States. Seeds presented by the Department of Vegetable Crops, Agricultural Experiment Station, Davis, California. Received April 25, 1961.

**274242 and 274243. BRASSICA OLERACEA var. CAPITATA L. Brassicaceae. Cabbage.**

274242. 'Brela'.

274243. 'Dalmatian'.

**274244. BRASSICA OLERACEA var. VIRIDIS L.**

'Korcula'. Leaf cabbage.

**274245 to 274247. HIBISCUS SABDARIFFA L. Malvaceae.**

**Roselle.**

From Nigeria. Seeds presented by the Rurale Ministere de l'Economie, Maradi. Received April 25, 1961.

274245. T. HS. No. 1. From Senegal.

274246. T. HS. No. 5. From Senegal.

274247. T. HS. No. 6. From Maradi.

**274248 to 274253. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Experiment, Georgia. Originally from the Mizarat of Agriculture, Sidi Mesri, Tripoli, Libya. Numbered April 25, 1961.

274248. T 1304. 'Tripoli-2'. A strain used during the Italian administration.

274249. T 1305. 'Tripoli-4'. A strain used during the Italian administration.

274250. T 1306. 'Wizari'. Originally from Libya and Egypt.

Originally from the United States but grown in Libya.

274251. T 1307. 'North Carolina'.

274252. T 1308. 'Virginia Bunch'.

274253. T 1309. 'Valencia'.

**274254. ALLIUM FISTULOSUM L. Liliaceae. Welsh onion.**

From Japan. Seeds presented by the Department of Horticulture, National Institute of Agricultural Science, Hiratsuka. Received April 25, 1961.

('Senju' × 'Sunamuya') × 'Senju'. A backcross generation segregating into a 1:1 ratio of male-sterile and male-fertile populations.

**274255 to 274259.**

From the United States. Plants collected by J. Benton Storey, Texas Agricultural and Mechanical College, College Station, Texas. Numbered April 25, 1961.

**274255. CITRUS RETICULATA Blanco Rutaceae. Mandarin orange.**

Col. No. Tex. 5. 'Changsha Tangerine'. Dwarf tree on Texas A. & M. Horticultural farm, on *Poncirus trifoliata* rootstock. Withstood 15° F. Fruit medium size, flavorful, seedy. Originally received as Citrus Plant Board No. 10071-F from the Horticultural Crop & Disease Office, United States Department of Agriculture, Washington, D. C.

**274256 to 274259. PRUNUS PERSICA (L.) Batsch Amygdalaceae. Peach.**

274256. Col. No. Tex. 1. 'Alston'. 2305 Woodhead Street, Houston. Seedling tree, four years old (1960); bore 30 fruits in fourth year; fruit large, freestone, ripening by August 1; flesh yellow.

**274255 to 274259—Continued****274256 to 274259—Continued**

274257. Col. No. Tex. 2. 8044 Bonner Street, Houston. Seedling of unknown parentage, 15 feet high, three years old with four terminals; fruit large, attractive, high quality freestone, ripening by August 1; flesh yellow, firm; pit small.

274258. Col. No. Tex. 3. 10433 Palestine Street, Jacinto City. Tree 13 years old, 20 feet high; fruit clingstone, colored similar to 'Elberta'; tightly attached to tree when ripe. Crops harvested only in 1958, 1959, and 1960, following cold winters.

274259. Col. No. Tex. 4. 'Del Rio'. E.T. Rucker Ranch House, 12 miles southeast of Carta Valley, southeast Edwards County. Seedling; fruit large, freestone, taste resembles 'Elberta', ripens in July. Heavy bearer.

**274260. RUBUS IDAEUS var. STRIGOSUS (Michx.) Maxim.**

Rosaceae. **Common red raspberry.**

From Canada. Plants presented by the Dominion Experimental Station, Morden, Manitoba. Received April 25, 1961.

'Boyne'.

**274261 to 274266.**

From the Netherlands. Plants presented by H. Veendorp, Curator, Hortus Botanicus, Leiden. Received April 25, 1961.

274261. *CYPERUS ALTERNIFOLIUS* L. Cyperaceae.

'Variegatus'.

274262. *GINKGO BILOBA* L. Ginkgoaceae.

**Maidenhair-tree.**

'Ohazuki'.

274263. *NEPENTHES GRACILIS* Korth. Nepenthaceae.

274264. *NEPENTHES SPECTABILIS* Dans.

274265. *SAMBUCUS NIGRA* L. Caprifoliaceae.

**European elder.**

'Pendula'.

274266. *ZELKOVA VERSCHAFFELTII* (Dippel) Nicholson Urticaceae.

**274267. ARACHIS HYPOGAEA L. Fabaceae.**

**Peanut.**

From Rhodesia. Seed presented by the Mount Makulu Research Station, Chilanga. Received Jan. 5, 1961. Numbered April 26, 1961.

F1-79. Natal, Manyema. Testa brown; seeds alternate.

**274268. SINARUNDINARIA MURIELAE (Gamble) Nakai Poaceae.**

**Bamboo.**

From the Netherlands. Rootstocks presented by the Instituut voor de Veredeling van Tuinbouwgewassen, Wageningen. Received April 26, 1961.

From garden of B. K. Boom, Wageningen.

**274269 and 274270. SOLANUM TUBEROSUM L. Solanaceae.**

**Potato.**

From Afghanistan. Tubers collected by the United States Operations Mission, Kabul. Received April 26, 1961.

274269. 'Garma'. Early maturing, 100 days; flesh yellow. Appear to have a degree of resistance to *Fusarium* dry rot, and may be immune to leafroll virus.

274270. 'Sarda'. Late maturing, 120 days; flesh white. Appear to have a degree of resistance to *Fusarium* dry rot, and may be immune to leafroll virus.

## 274271 to 274318.

From countries indicated. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 26, 1961.

274271. *ABUTILON* sp. Malvaceae.

Col. No. 714. Sher-Jila, 24 miles above Gilgit, Pakistan. A garden green.

274272. *ABUTILON* sp.

Col. No. 782. Twenty-two miles above Gupis, Pakistan. Elevation 8,400 feet.

274273. *ABUTILON* sp.

Col. No. 922. Ishkuman, Pakistan.

274274. *AMARANTHUS VIRIDIS* L. Amaranthaceae.

Col. No. 1334. Sesame field 45 miles from Pali, India. Plant to four feet high; flowers white.

274275. *AMARANTHUS* sp.

Col. No. 858. Masuj garden, Pakistan.

274276. *AMARANTHUS* sp.

Col. No. 1071. Chandigarh, India. Plant to six feet high; flowers pale straw-colored.

274277. *AMARANTHUS* sp.

Col. No. 1073. Five miles north of Islamabad, road to Pahlgam, India. Flowers brilliant red.

274278. *AMARANTHUS* sp.

Col. No. 1126. Terrace wall, edge of cornfield, 4.5 miles from Dalhousie, India. Flowers red.

274279. *AMARANTHUS* sp.

Col. No. 1238. Cornfield near Pachlan, Upper Kulu Valley, India.

274280. *AMARANTHUS* sp.

Col. No. 1597. Rocky streambed between Khandela and Lonauli, India. Branched annual to five feet high.

274281. *AMMI COPTICUM* L. Apiaceae.

Col. No. 1252. 'Jowani'. Kulu bazaar, India.

274282. *ANETHUM GRAVEOLENS* L. Apiaceae.

Dill.

Col. No. 982. 'Show'. Dorat, Pakistan.

274283. *BRASSICA CARINATA* A. Br. Brassicaceae.

Col. No. 1832. Southeast corner, college land, Aremaya, Ethiopia. Plant to 3.5 feet high.

274284. *BRASSICA* sp.

Col. No. 194. Paghman, 12 miles northwest of Kabul, Afghanistan.

274285 and 274286. *CAJANUS CAJAN* (L.) Druce. Fabaceae. Pigeonpea.

274285. Col. No. 1616. Field six miles west of Poona, India.

274286. Col. No. 1807. Field, north edge of Nasik, India. Plant shrubby, erect, to three feet high.

274287. *CHENOPODIUM ALBUM* L. Chenopodiaceae.

Col. No. 659. Garden near Gilgit, Pakistan.



## 274271 to 274318—Continued

274288. *CICHORIUM INTYBUS* L. Cichoriaceae. **Chicory.**  
Col. No. 1069. Fourteen miles up Lolab valley, India. Plants browsed.
274289. *COLOCASIA ESCULENTA* (L.) Schott. Araceae. **Dasheen.**  
Col. No. 1135. Dalhousie bazaar, India. Roots. A small-tubered type of dasheen, or taro, with white buds, resembling some of the varieties common in Japan and parts of eastern China.
- 274290 to 274292. *CORIANDRUM SATIVUM* L. Apiaceae. **Coriander.**  
274290. Col. No. 1180. Palanpur, India.  
274291. Col. No. 1245. Kulu bazaar, India.  
274292. Col. No. 1354. Farm near Jodhpur, India.
274293. *CUCURBITA* sp. Cucurbitaceae.  
Fruit three inches diameter, mottled green.
- 274294 to 274296. *CUMINUM CYMINUM* L. Apiaceae. **Cumin.**  
274294. Col. No. 178. 'Zirah'. Paghman, 12 miles northwest of Kabul, Afghanistan.  
274295. Col. No. 494. Kohala, Pakistan.  
274296. Col. No. 1904. 'Kemune'. Addis Ababa market, Ethiopia.
- 274297 and 274298. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**  
274297. Col. No. 679. Along wall, Nomal, Pakistan. Plants to three feet high; umbels four inches in diameter; flowers white.  
274298. Col. No. 1016. Four miles west of Parachinar, Pakistan. Plants to four feet high.
274299. *ELETTARIA CARDAMOMUM* (L.) Maton Zingiberaceae. **Cardamom.**  
Col. No. 196. 'El'. Paghman, Afghanistan.
274300. *LENS CULINARIS* Medic. Fabaceae. **Lentil.**  
Col. No. 758. 'Gupis, Pakistan.
- 274301 to 274303. *LEPIDIUM SATIVUM* L. Brassicaceae. **Garden cress.**  
274301. Col. No. 183. 'Tarotizak'. Paghman, Afghanistan.  
274302. Col. No. 500. 'Halam'. Mangoro bazaar, Pakistan.  
274303. Col. No. 1907. 'Fetto'. Addis Ababa market, Ethiopia.
274304. *MIMUSOPS ELENGI* L. Sapotaceae.  
Col. No. 2059. 'Ishe'. Gondar market, Ethiopia.
274305. *PHASEOLUS AUREUS* Roxb. Fabaceae. **Mung bean.**  
Col. No. 551. 'Mi'. Chakesar, Pakistan.
274306. *PHYTOLACCA ABYSSINICA* Hoffm. Phytolaccaceae.  
Col. No. 1878. Harrar market, Ethiopia. Soap plant.
- 274307 and 274308. *PISUM SATIVUM* L. Fabaceae.  
274307. Col. No. 809. Barley field five miles below Teru, Pakistan. Elevation 9,800 feet.  
274308. Col. No. 815. Barley field five miles below Shandur Top, Pakistan.
274309. *PLANTAGO PSYLLIUM* L. Plantaginaceae. **Flaxseed plantain.**  
Col. No. 902. 'Spaol'. Peshawar, Pakistan.
274310. *SIUM SISARUM* L. Apiaceae. **Skirret.**  
Col. No. 674. Nomal, Pakistan. Aromatic.

**274271 to 274318—Continued**

**274311.** *SPINACIA OLERACEA* L. Chenopodiaceae. **Spinach.**

Col. No. 522. 'Parluk'. Pakistan.

**274312 to 274317.** *TRICHOSANTHES ANGUINA* L. Cucurbitaceae. **Snakegourd.**

**274312.** Col. No. 1479. IARI, Delhi, India. Fruit long, green.

**274313 to 274317.** Poona Agricultural College, India.

**274313.** Col. No. 1697. No. 1.

**274314.** Col. No. 1698. No. 43.

**274315.** Col. No. 1699. No. 47.

**274316.** Col. No. 1700. No. 48.

**274317.** Col. No. 1791. No. 49.

**274318.** Undetermined.

Col. No. 898. 'Espandur'. Peshawar, Pakistan. Vegetable.

**274319.** *ZIZYPHUS JUJUBA* Mill. Rhamnaceae. **Jujube.**

From Korea. Plants presented by the Kimhae Branch Station, Horticultural Experiment Station, Kimhae. Received April 27, 1961.

"A".

**274320.** *DIOSCOREA* sp. Dioscoraceae.

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received April 27, 1961.

'Cara Nativo'. Seeds from cultivated plants. From Jaguariuna, near Campinas, State of Sao Paulo.

**274321 to 274335.** *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Geneva, New York. From the Owens Farms, Fulton, New York. All are cultivated. Numbered April 27, 1961.

**274321.** G 5331. Plants semierect, moderately leafy, fair vigor; flowers deep purple. Leaf spot slight; leaf hopper injury severe; fall recovery poor.

**274322.** G. 5332. Plants not erect, leafy, good vigor; flowers pale purple, late. Leaf spot slight; leaf hopper injury severe; fall recovery fair; hardiness excellent.

**274323.** G 5333. Plants not erect, leafy, fair vigor, hardy; flowers purple late. Leaf spot and leaf hopper injury moderate, black stem slight; fall recovery fair; spring vigor variable.

**274324.** G 5334. Plants semierect, leafy, vigorous; flowers purple, mid-season. Leaf spot severe; black stem slight; leaf hopper injury moderate; fall recovery good; hardiness fair; spring vigor variable.

**274325.** G 5335. Plants creeping, crown to 13 inches wide, leafy, vigorous, early maturing. Leaf spot and leaf hopper injury moderate. No black stem present. Hardiness and spring vigor excellent.

**274326.** G 5336. Plants not erect, leafy, vigorous; flowers purple, early; seed pods many. Leaf spot slight; black stem severe; leaf hopper injury moderate; fall recovery fair; hardiness excellent; spring vigor good.

**274327.** G 5337. Plants not erect, moderately leafy, fair vigor; flowers pale purple, early; seed pods many. Leaf spot fair; black stem very slight; leaf hopper injury moderate; fall recovery fair; hardiness excellent; spring recovery good.

**274321 to 274335—Continued**

- 274328.** G 5338. Plants semierect, leafy, vigorous; flowers purple, early; seed pods many. Leaf spot and black stem severe; leaf hopper injury moderate; fall recovery fair; hardiness and spring vigor excellent.
- 274329.** G 5339. Plants semierect, leafy, very vigorous; flowers purple, early; seed pods many. Leaf spot severe; black stem fair; leaf hopper injury moderate; fall recovery fair; hardiness and spring vigor excellent.
- 274330.** G 5340. Plants erect, leafy, fair vigor; flowers purple, midseason. Leaf spot severe; black stem slight; leaf hopper injury fair; fall recovery good; hardiness and spring recovery excellent.
- 274331.** G 5341. Plants semierect, leafy, some stems purple, excellent vigor; flowers purple, early; seed pods many. Leaf spot severe; black stem moderate; fall recovery fair; hardiness excellent; spring vigor medium to good.
- 274332.** G 5342. Plants semierect, moderately leafy, fair vigor; flowers purple, mid-season. Leaf spot and leaf hopper injury severe; black stem moderate; fall recovery poor; hardiness excellent; spring vigor good to excellent.
- 274333.** G 5343. Plants erect, crown 12 inches wide, leafy, excellent vigor, rhizomatous; stems coarse; flowers pale purple, early; seed pods many. Leaf spot slight, black stem severe, leaf hopper injury moderate; fall recovery fair; hardiness and spring vigor excellent.
- 274334.** G 5344. Plants erect, leafy, excellent vigor; flowers pale purple, early; seed pods many. Leaf spot fair; black stem slight; fall recovery fair; hardiness excellent; spring vigor medium to good.
- 274335.** G 5345. Plants semierect, leafy, fair vigor; flowers purple, early; seed pods many. Leaf spot and black stem severe; leaf hopper injury fair; fall recovery fair; hardiness excellent; spring vigor fair.

**274336 to 274338.**

From Guatemala. Seed and fruits presented by Edgar Davies, Finca El Tambor, San Sebastian, Retalhuleu. Received April 28, 1961.

- 274336.** CUCURBITA PEPO L. Cucurbitaceae. **Pumpkin.**
- 274337 and 274338.** SECHIU EDULE (Jacq.) Sw. Cucurbitaceae. **Chayote.**
- 274337.** White.
- 274338.** Dark green.

**274339 to 274353. HIBISCUS ESCULENTUS L. Malvaceae. Okra.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received April 28, 1961.

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|-------------------------------------|---------------------------------------|
| <b>274339.</b> No. 4. From Armenia. | <b>274347.</b> No. 35. From Egypt.    |
| <b>274340.</b> No. 6. From China.   | <b>274348.</b> No. 63. From Egypt.    |
| <b>274341.</b> No. 13. From China.  | <b>274349.</b> No. 64. From Egypt.    |
| <b>274342.</b> No. 15. From India.  | <b>274350.</b> No. 76. From Sudan.    |
| <b>274343.</b> No. 19. From India.  | <b>274351.</b> No. 86. From Bulgaria. |
| <b>274344.</b> No. 22. From India.  | <b>274352.</b> No. 87. From Iran.     |
| <b>274345.</b> No. 24. From India.  | <b>274353.</b> No. 89. From Iran.     |
| <b>274346.</b> No. 26. From India.  |                                       |



**274354 to 274356.**

From Germany. Seeds presented by the Botanischer Garten, Hamburg. Received April 28, 1961.

274354. *LACTUCA SATIVA* L. Cichoriaceae.  
'Angustana'.

274355. *LACTUCA SERRIOLA* L.

274356. *LACTUCA VIROSA* L.

**274357 to 274360.**

From Poland. Seeds presented by the Hortus Botanicus, Instituti Plantarum Medicinal, Poznan. Received April 28, 1961.

274357. *LACTUCA PERENNIS* L. Cichoriaceae.

274358. *LACTUCA SATIVA* L.

274359. *LACTUCA SERRIOLA* L.

274360. *LACTUCA VIROSA* L.

**274361 and 274362.**

From Italy. Seeds presented by the Istituto Botanico, Firenze. Received April 28, 1961.

274361. *LACTUCA MURALIS* (L.) Fresen. Cichoriaceae.

274362. *LACTUCA VIROSA* L.

**274363 to 274365.**

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus Botanicus Academiae Scientiarum, Armenia. Received April 28, 1961.

274363. *LACTUCA SALIGNA* L. Cichoriaceae.

274364. *LACTUCA SATIVA* L.

274365. *LACTUCA SERRIOLA* L.

**274366 to 274368.**

From Malta. Seeds presented by the Royal University of Malta, Argotti Botanic Gardens, Floriana. Received April 28, 1961.

274366. *LACTUCA SATIVA* L. Cichoriaceae.

'Bauer'.

274367. *LACTUCA SERRIOLA* L.

274368. *LACTUCA VIROSA* L.

**274369 and 274370.**

From Poland. Seeds presented by the Ogród Botaniczny, Instytutu Hodowli i Aklimatyzacji Roslin, Bydgoszcz. Received April 28, 1961.

274369. *LACTUCA SATIVA* L. Cichoriaceae.

274370. *LAPSANA COMMUNIS* L. Compositae.

**274371 and 274372.**

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus Botanicus Universitatis Rostoviensis, Rostov. Received April 28, 1961.

274371. *LACTUCA SATIVA* L. Cichoriaceae.

274372. *LACTUCA SERRIOLA* L.

**274373 to 274376.**

From Poland. Seeds presented by the Hortus Medicinalis Lodziensis, Lodz.  
Received April 28, 1961.

274373. *LACTUCA SATIVA* L. Cichoriaceae.

274374. *LACTUCA SERRIOLA* L.

274375. *LACTUCA VIROSA* L.

274376. *LACTUCA* sp.

**274377 to 274381.**

From France. Seeds presented by the Jardin Botanique de la Ville de  
Rennes, Rennes. Received April 28, 1961.

274377. *LACTUCA CHONDRILLIFLORA* Bor. Cichoriaceae.

274378. *LACTUCA PERENNIS* L.

274379. *LACTUCA SATIVA* L.

274380. *LACTUCA SERRIOLA* L.

274381. *LACTUCA VIROSA* L.

**274382 to 274385.**

From Czechoslovakia. Seeds presented by the Botanicka Zahrada Univerzity  
Komenskeho, Bratislava. Received April 28, 1961.

274382. *LACTUCA MURALIS* (L.) Fresen. Cichoriaceae.

No. 1018.

274383 and 274384. *LACTUCA PERENNIS* L.

274383. No. 133.

274384. No. 1019.

274385. *LACTUCA QUERCINA* L.

No. 1020.

**274386. PTELEA TRIFOLIATA L. Rutaceae.****Hop-tree.**

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus  
Botanicus, Academiae Scientiarum Latviensis, Riga. Received April 28,  
1961.

**274387 to 274390.**

From Rumania. Seeds presented by the Hortus Botanicus Universitatis  
Bucurestiensis, Bucharest. Received April 28, 1961.

274387. *DICTAMNUS ALBUS* L. Rutaceae.

**Gasplant.**

No. 1456.

274388 to 274390. *RUTA GRAVEOLENS* L. Rutaceae.

**Common rue.**

274388. No. 406.

274389. No. 1707.

274390. No. 1957.

**274391. HIBISCUS STURTHII Hook. Malvaceae.**

From Australia. Seeds presented by the Commonwealth Scientific and In-  
dustrial Research Organization, Canberra. Received April 28, 1961.

Collected in Central Australia.

**274392 to 274395. BETA VULGARIS L. Chenopodiaceae.****Common beet.**

From Poland. Seeds presented by the Institute for the Selection and Acclimatization of Plants, Warsaw. Received May 1, 1961.

274392. AJ-Poli-2. A. Janasz.

274393. P-Poly K. Buszczynski.

274394. Poly-Mono, I.H.A.R.

274395. Tetra-Tri-Polish. Poli-O.

**274396 to 274402.**

From the Union of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received May 1, 1961.

274396. *PROTEA BARBIGERA* Meisn. Proteaceae.

Col. No. 18801. Coarse sandy soil, Bat River Caledon District, Cape Province. Elevation 450 feet. Spreading shrub, branching from base; flowers white.

274397. *PROTEA COMPACTA* R. Br.

Col. No. 19039. Stony ground, near sea level, seven miles west of Kleinmond, Caledon District. Tall, slender shrub to 10 feet high; branches elongate; flower heads red-bracted.

274398. *PROTEA GRANDIFLORA* Thunb.

Col. No. 18976. Rocky slopes, Fairy Glen, Worcester District, Cape Province. Elevation 2,000 feet. Small, spreading tree with glaucous foliage.

274399. *PROTEA LATIFOLIA* R. Br.

Col. No. 19057. Karredouse Pass, Humansdorp District, Cape Province. Shrub with many branches.

274400. *PROTEA MARGINATA* Thunb.

Col. No. 18974. Stony ground, Fairy Glen, Worcester District, Cape Province. Large, dense shrub; branches long, erect.

274401. *PROTEA MELLIFERA* Thunb.

Col. No. 19038. Stony ground, Bot River, Cape Province. Shrub slender; flower heads large.

274402. *SERRURIA ACROCARPA* R. Br. Proteaceae.

Col. No. 19007. Stony ground maqui, 12 miles northeast of Worster, Cape Province. Elevation 2,300 feet. Shrub to 6 feet high; flowers pale yellow.

**274403 to 274412.**

From Chile. Seeds presented by the United States Operations Mission, Santiago. Received May 1, 1961.

274403. *LUPINUS* sp. Fabaceae.

No. 10. 'Chocho'. Near Lago Puychue, Province Osorno. Forest soil of volcanic origin. Plant tall, woody; flowers yellow, showy.

274404 to 274410. Near Lago Llanquihue, Province Llanquihue. Forest soil of volcanic origin.

274404. *LUPINUS* sp.

No. 11. 'Lupino'. Plant tall, woody; flowers showy.

274405. *LUPINUS* sp.

No. 12. 'Lupino'. Plant tall; flowers showy.



**274403 to 274412—Continued****274404 to 274410—Continued****274406. LUPINUS sp.**

No. 13. 'Chocho'. Plant tall; flowers showy.

**274407. LUPINUS sp.**

No. 14. 'Chocho'. Plant tall, woody; flowers showy.

**274408. LUPINUS sp.**

No. 15. 'Chocho'. Plant tall, bushy; flowers showy.

**274409. LUPINUS sp.**

No. 16. 'Chocho'. Plant tall, bushy; flowers showy.

**274410. LUPINUS sp.**

No. 17. 'Chocho'. Plant tall, bushy; flowers showy.

**274411. LUPINUS sp.**

No. 18. 'Chocho'. Loess soil near hotel at Puerto Varas. Plant tall, woody; flowers showy.

**274412. LUPINUS sp.**

No. 19. 'Chocho'. Alluvial soil near Catholic church, Renaico, Province Malleco. Plant bushy; flowers showy; seeds large, white.

**274413. PYRACANTHA (hybrid). Malaceae.**

From Great Britain. Plants purchased from J. Cheal and Sons, Limited, The Nurseries Crawley, Sussex, England. Received May 1, 1961.

'Warleyensis'.

**274414. MALUS (hybrid). Malaceae.**

From Canada. Trees presented by the Genetics and Plant Breeding Research Institute, Department of Agriculture, Ottawa. Received May 1, 1961.

'Baskatong'.

**274415 to 274417.**

From Rumania. Seeds presented by the Gardina Botanica, Cluj. Received May 2, 1961.

**274415. LACTUCA PERENNIS L. Cichoriaceae.****274416. LACTUCA SATIVA L.**

'Capitata'.

**274417. LACTUCA VIROSA L.****274418 and 274419.**

From Finland. Cuttings presented by Axel Sigerstedt, Mustila, Elimaki. Received May 3, 1961.

**274418. JUGLANS MANDSHURICA Maxim. Juglandaceae. Walnut.****274419. LARIX GMELINII var. OLGENSIS (Henry) Ost. & Syr.-Lar. Pinaceae.****274420 to 274423. GLYCINE MAX (L.) Merrill Fabaceae.****Soybean.**

From Japan. Seeds presented by the Northern Utilization Research and Development Division, U.S. Department of Agriculture, Peoria, Ill. Received May 3, 1961.

**274420. 'Iwanuma No. 1'.****274422. 'Mitsumame'.****274421. 'Kanenari No. 1'.****274423. 'Toshiken'.**

**274424 to 274429. CLEMATIS (hybrids). Ranunculaceae.**

From Japan. Plants presented by the Daiichi Seed Company, Kamidori, Shibuya-ku, Tokyo. Received May 4, 1961.

274424. 'Asagasumi'.

274427. 'Hakuohkan'.

274425. 'Contesse de Douchaud'.

274428. 'Ishikari'.

274426. 'Edomurasaki'.

274429. 'Unzen'.

**274430. IPOMOEA NITIDA Griseb. Convolvulaceae.**

From Uruguay. Seeds presented by Mr. Jefferson Patterson, Washington, D.C. Received May 4, 1961.

Seeds collected at Estancia la Acacia, Department of Paysandu, western Uruguay. A trailing vine with large morning-glorylike blossoms, white and deep pink to purple; roots large, fleshy.

**274431. PINUS × SCHWERINII Fitschen Pinaceae.**

From the Netherlands. Seeds presented by Pinetum Blijdenstein, Hilversum. Received May 4, 1961.

**274432. ALLIUM SCHOENOPRASUM L. Liliaceae. Chives.**

From Canada. Seeds presented by the Botanical Garden, Montreal. Received May 4, 1961.

'Sibiricum'. From St. Roch des Aulnaies.

**274433 to 274437.**

From Germany. Plants presented by the Botanischer Institute, Frankfurt-am-Main. Received May 1, 1961.

274433. *CALATHEA WARSCEWICZII* Koren. Marantaceae.

274434. *LYCOPODIUM HIPPURIS* Desv. Lycopodiaceae.

274435. *NEPENTHES* × *DORMANNIANA* Williams ex Mast. Nepenthaceae.

274436. *PINGUICULA CAUDATA* Schlecht. Pinguiculaceae.

274437. *SELAGINELLA GRANDIS* Moore Selaginellaceae.

**274438 to 274452.**

From Germany. Plants presented by the Palmengarten, Frankfurt-am-Main. Received May 1, 1961.

274438. *BEGONIA LINDLEYANA* Walp. Begoniaceae.

'Epples Findling'.

274439. *BEGONIA SERRATIPETALA* Irmscher

274440. *BEGONIA* sp.

From San Salvador.

274441. *BERTOLONIA MARMORATA* (Naud.) Melastomaceae.

'Arena'.

274442. *CISSUS CRAMERIANA* Schinz Vitaceae.

274443. *COSTUS* sp. Zingiberaceae.

'Albovariegata'.

274444. *DROSERA PYGMAEA* DC. Droseraceae.

274445. *ERICA* (hybrid). Ericaceae.

'Evening Glow'.

274446. *EUPHORBIA CARACASANA* (Kl. & Bke.) Boiss. Euphorbiaceae.

'Sanguinea'.

**274438 to 274452—Continued**

274447. *LYCOPODIUM HIPPURIS* Desv. Lycopodiaceae.  
 274448. *MISCANTHUS SINENSIS* Anders. Poaceae. Chinese silvergrass.  
 274449. *NEPENTHES* × *DORMANNIANA* Williams ex Mast. Nepenthaceae.  
 274450. *PINGUICULA CAUDATA* Schlecht. Pinguiculaceae.  
 274451. *PIPER PORPHYROPHYLLUM* (Lindl.) N.E. Br. Piperaceae.  
 274452. *VILLARESIA GRANDIFLORA* Fisch. ex Regel Icacinaceae.

**274453 to 274456.**

From Okinawa. Seeds presented by the Department of Economics, Plant Protection Service, Ryukyu. Received May 8, 1961.

- 274453 and 274454. *GLYCINE KOIDZUMII* Ohwi Fabaceae.  
 274453. Seeds dark.  
 274454. Seeds white.  
 274455 and 274456. *GLYCINE MAX* (L.) Merrill Soybean.  
 274455. 'Aohigu'.  
 274456. 'Hyaku Avda'.

**274457 to 274459.**

From Germany. Seeds presented by the Botanischer Garten und Museum, Berlin. Received May 8, 1961.

274457. *LACTUCA SERRIOLA* L. Cichoriaceae.  
 274458. *LACTUCA VIROSA* L.  
 274459. *FESTUCA TENUIFLORA* Boiss. Poaceae.

**274460. DORYCNIUM RECTUM (L.) Ser. Fabaceae.**

From Greece. Seeds presented by the United States Embassy, Athens. Received May 8, 1961.

Moist area at edge of citrus grove Kardamila, Chios. Uncultivated perennial, to 5 feet high, luxuriant, harvested as goat fodder several times yearly; stalks semiwoody; foliage light green; flowers yellow.

**274461 to 274466.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received May 8, 1961.

- 274461 to 274463. *GOSSYPIUM BARBADENSE* L. Malvaceae. Sea-island cotton.  
 274461. No. 504V. 3849. Tadzhik, S.S.R.  
 274462. No. 2850. 3846. Uzbekistan, S.S.R.  
 274463. No. 5230-V. 4775. Tadzhik, S.S.R.  
 274464 to 274466. *GOSSYPIUM HIRSUTUM* L. Upland cotton.  
 274464. No. 108F. 3812. Uzbekistan, S.S.R.  
 274465. No. 137F. 3813. Uzbekistan, S.S.R.  
 274466. No. 138F. 3826. Uzbekistan, S.S.R.

**274467 to 274469.**

From Venezuela. Seeds presented by the Centro de Investigaciones Agronomicas, Caracas. Collected in Santa Rita, Cedeno District, Bolivar State. Received May 8, 1961.

274467. *GOSSYPIUM BARBADENSE* L. Malvaceae. Sea-island cotton.



**274467 to 274469—Continued**274468. *GOSSYPIUM BRASILIENSE* Macfad.274469. *GOSSYPIUM PURPURASCENS* Poir.**Bourbon cotton.****274470. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit** **Mimosaceae.**

From the Union of South Africa. Seeds presented by the United States Consulate General to Rhodesia and Nyasaland. Received May 8, 1961.

Dry pasture forage shrub.

**274471 to 274500. *ORYZA SATIVA* L. Poaceae.****Rice.**

From Korea. Seeds presented by the Agricultural Experiment Station, Suwon. Received May 8, 1961.

274471. No. 1. No. 143.

274486. No. 16. 'Damagum'.

274472. No. 2. No. 143.

274487. No. 17. 'Damagum'.

274473. No. 3. No. 143.

274488. No. 18. 'Damagum'.

274474. No. 4. No. 143.

274489. No. 19. 'Damagum'.

274475. No. 5. No. 152.

274490. No. 20. 'Damagum'.

274476. No. 6. No. 152.

274491. No. 21. 'Damagum'.

274477. No. 7. No. 152.

274492. No. 22. 'Damagum'.

274478. No. 8. No. 152.

274493. No. 23. 'Damagum'.

274479. No. 9. No. 152.

274494. No. 24. 'Suwon No. 143'.

274480. No. 10. No. 152.

274495. No. 25. 'Suwon No. 143'.

274481. No. 11. No. 152.

274496. No. 26. 'Suwon No. 143'.

274482. No. 12. No. 152.

274497. No. 27. 'Suwon No. 143'.

274483. No. 13. No. 152.

274498. No. 28. 'Suwon No. 143'.

274484. No. 14. 'Damagum'.

274499. No. 29. 'Suwon No. 143'.

274485. No. 15. 'Damagum'.

274500. No. 30. 'Suwon No. 152'.

**274501 and 274502. *TRITICUM AESTIVUM* L. Poaceae.****Common wheat.**

From Chile. Seeds presented by the Rockefeller Foundation, Oficina de Estudios Especiales, Santiago. Received May 8, 1961.

From the Provincia de Cautin, Temuco, Fdo. Sta., Amalia.

274501. S-30443. F/4 'Seafoam' × Sk.-30443-T-60. Susceptible to *Puccinia recondita*.274502. S-30444. F/4 'Seafoam' × Sk.-30444-T-60. Susceptible to *Puccinia recondita*.**274503 and 274504. *TRITICUM AESTIVUM* L. Poaceae.****Common wheat.**

From Australia. Seeds presented by the Department of Agriculture, Sydney. Received May 8, 1961.

274503. 'Gamenya'.

274504. 'Mengavi'.

**274505. *TRITICUM* sp. Poaceae.**

From Thailand. Seeds presented by the United States Embassy, Bangkok. Received May 8, 1961.

Wheat is planted experimentally as a rotation crop with tobacco at the Experiment Station, Thailand Tobacco Monopoly, Chiangrai. Seed was obtained from farms in nearby Burma.

**274506 to 274508. GLYCINE MAX (L.) Merrill Fabaceae.****Soybean.**

From China. Seeds presented by the Joint Commission on Rural Reconstruction, Taipei, Taiwan. From Fukien and Kwangtung Provinces. Received May 8, 1961.

**274506.** Black type. Used for soybean sauce and animal feed; planted as green manure crops in rice paddy fields.

**274507.** Green type. Used for bean curds, bean milk and bean sprouts; planted as green manure crops in rice paddy fields.

**274508.** Pearl type. Used for bean curds, bean milk and oil extraction.

**274509. SORGHUM BICOLOR (L.) Moench Poaceae.**

From Venezuela. Seeds presented by the Centro Investigaciones Agronomicas, Maracay. Received May 8, 1961.

**274510 to 274516.**

From British Guiana. Seeds presented by the United States International Cooperation Administration, Georgetown. Received May 8, 1961.

**274510.** GOSSYPIUM sp. Malvaceae.

No. 1. Bec Air Area.

**274511.** GOSSYPIUM sp.

No. 2. Kitty village.

**274512.** GOSSYPIUM sp.

No. 3. Wakenaam Island.

**274513.** GOSSYPIUM sp.

No. 4. Anna Regina.

**274514.** GOSSYPIUM sp.

No. 5. Mara road, New Amsterdam.

**274515.** GOSSYPIUM sp.

No. 6. Mara, Berbile.

**274516.** GOSSYPIUM sp.

No. 7. Rosignol.

**274517 and 274518. HELIANTHUS (hybrids). Asteraceae.**

From the Union of Soviet Socialist Republics. Tubers presented by Dr. Pustovoit, Krasnodar. Received May 9, 1961.

**274517.** *H. tuberosa* × *H. annuus*.

**274518.** *H. tuberosa* × *H. annuus* × *H. macrophyllus*.

**274519 to 274525. HUMULUS LUPULUS L. Moraceae.****Common hop.**

From Poland. Cuttings presented by the Department of Plant Breeding, Agricultural Institute, Pulawy. Received May 9, 1961.

**274519.** CZ/C6. **274523.** 28/30.

**274520.** CZ/K23. **274524.** 43/7.

**274521.** D. **274525.** 45/36.

**274522.** P/K1.

**274526 to 274550.**

From Japan. Seeds, plants, and cuttings collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received May 10, 1961.

**274526. ARDISIA JAPONICA (Thunb.) Blume** Myrsinaceae.

Col. No. 829. 'Angusta'. Mount Takakuma, Osumi, Kyushu. Elevation 600 meters. Evergreen ground cover with bright-red fruit.

**274527. CALANTHE DISCOLOR Lindl.** Orchidaceae.

**Orchid.**

Col. No. 830. 'Yebeni'. In dense, broadleaved, evergreen forest, Takakuma, Osumi, Kyushu. Elevation 700 meters. Terrestrial orchid; flowers white and purple.

**274528. CALANTHE STRIATA R. Br.**

**Orchid.**

Col. No. 827. 'Bicolor'. In broadleaved evergreen forest, Takakuma, Osumi, Kyushu. Elevation 800 meters.

**274529. CALANTHE SIEBOLDII Decne. ex Regel**

**Orchid.**

Col. No. 828. In broadleaved evergreen forest, Takakuma, Osumi, Kyushu. Elevation 900 meters. Terrestrial orchid; flowers large, yellow, in terminal spike.

**274530 and 274531. CAMELLIA JAPONICA L.** Theaceae. Common camellia.

**274530.** Col. No. 825. Abundant in broadleaved evergreen forest, Takakuma, Osumi, Kyushu. Tree to 7.6 meters high; flowers pink to red, single.

**274531.** Col. No. 833. On Takakuma Mountain, Osumi, Kyushu. Elevation 1,000 meters. Tree to 7.6 meters high; flowers pink to red, single.

**274532. CYPRIPEDIUM JAPONICUM Thunb.** Orchidaceae.

**Orchid.**

Col. No. 834. 'Kumagae So'. In dense shade, Takakuma, Osumi, Kyushu. Elevation 720 meters. Terrestrial lady's slipper orchid; leaves rotund, to 15 cm. in diameter.

**274533 to 274535. ERIOBOTRYA JAPONICA (Thunb.) Lindl.** Malaceae.

**Loquat.**

**274533.** Col. No. 843. 'Karabiwa'. Source unknown. Plant somewhat spreading; fruit ripening about May 5, quality poor, to seven per cluster. Resistant to gall disease.

**274534.** Col. No. 844. 'Kesamatsu'. Source unknown. Somewhat erect as young trees, later spreading; fruit ripening about April 30, quality poor, to seven per cluster. Used as understock because of its gall disease resistance.

**274535.** Col. No. 842. 'Mogi'. Nursery in Fukuoka Prefecture. Somewhat erect as young trees, later spreading; fruit ripening about May 15, quality excellent, to seven per cluster.

**274536. FATSIA JAPONICA (Thunb.) Descaisne & Planch.** Araliaceae.

Col. No. 822. 'Yatrude'. Along cliffs, Sarugajo-Osumi, Kyushu. Small shrub with palmate leaves; fruit in umbels, black, many-seeded.

**274537. HOSTA KIKUCHIANA Maekawa** Liliaceae.

Col. No. 819. 'Huga Giboshi'. Growing on face of granite cliffs along mountain stream, Osumi Peninsula, Sarugajo Mountain. Elevation 300 meters. Herbaceous species; flowers white.

**274538. ILEX CRENATA Thunb.** Aquifoliaceae.

**Japanese holly.**

Col. No. 841. Along stream bed, Kirishima Mountains, Kagoshima, Kyushu. Elevation 1,200 meters. Small round-headed tree; leaves ovate, with white midrib.



## 274526 to 274550—Continued

274539. *ILEX CRENATA* var. *FUKASAWANA* Makino **Japanese holly.**

Col. No. 826. Along stream bed, Mountain Takakuma, Osumi Peninsula, Kyushu. Elevation 900 meters. Small to medium size shrub; large-leaved variety.

274540. *QUERCUS ACUTA* Thunb. Fagaceae. **Japanese evergreen oak.**

Col. No. 840. 'Ahagashi'. Along river bed, Maruo Forest, Mount Kirishima, Kagoshima, Kyushu. Elevation 750 meters. Large evergreen tree; leaves entire, toothed; acorns brown; cap small.

274541. *RHODODENDRON AUSTROKIUSIANUM* Hatusima Ericaceae.

Col. No. 837. On Mount Takakuma, Osumi, Kyushu. Elevation 700 meters. A collection of seedlings representing color variations of this higher elevation population.

274542 to 274544. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.) Wilson. **Torch azalea.**

274542. Col. No. 835. 'Yama-tsutsuji'. Rocky cliffs in sunny places, foot of Mount Takakuma, Osumi, Kyushu. Small shrub.

274543. Col. No. 836. 'Yama-tsutsuji'. On Mount Takakuma, Osumi, Kyushu. Elevation 300 meters. Typical uniform color type from this region.

274544. Col. No. 838. Maruo Forest, Mount Kirishima, Kagoshima, Kyushu. Elevation 800 meters. Southern type; leaves concurred, flowers brick red.

274545 and 274546. *RHODODENDRON SERPYLLIFOLIUM* (A. Gray) Miquel

274545. Col. No. 820. 'Unzen-tsutsuji'. Along cliffs, Sarugajo, Osumi, Kyushu. Elevation 400 meters. Leaves and flowers small.

274546. Col. No. 821. 'Unzen-tsutsuji'. On rocky cliffs of mountain stream, Sarugajo, Osumi, Kyushu. Elevation 400 meters. Leaves and flowers small.

274547. *RHODODENDRON SHIKOKIANUM* Makino

Col. No. 824. 'On-tsutsuji'. Along rocky cliffs of mountain stream, Sarugajo Mountain, Osumi Peninsula, Kyushu. Plant deciduous; leaves shiny, broad ovate; flowers pink.

274548. *SYMPLOCOS PRUNIFOLIA* Sieb. & Zucc. Symplocaceae.

Col. No. 832. 'Kuro Biye'. In dense, broadleaved, evergreen forest, Mount Takakuma, Osumi, Kyushu. Elevation 700 meters. Broadleaved evergreen tree to 7.6 meters high with terminal racemes of fragrant white flowers.

274549. *TRICYRTIS OHSUMIENSIS* Masamune Melanthiaceae.

Col. No. 823. 'Takokumahototogisu'. Along rocky streamside cliffs, Sarugajo Mountain, Osumi Peninsula, Kyushu. Flowers large, yellow, blooming July to early August.

274550. *VACCINIUM BRACTEATUM* Thunb. Vacciniaceae.

**Oriental blueberry.**

Col. No. 839. 'Syasya Nipo'. Maruo Forest, Mount Kirishima, Kagoshima, Kyushu. Elevation 800 meters. Evergreen shrub to 2 meters high; fruit red, turning black.

## 274551 to 274560.

From Mexico. Seeds presented by the United States Embassy, Guatemala City. Seeds collected in Mexico, unless otherwise noted. Received May 10, 1961.

274551. *GOSSYPIUM* sp. Malvaceae.

'Delta Pine 15'. Alotenango, Escuintla, Guatemala.

**274551 to 274560—Continued**274552. *GOSSYPIUM* sp.

Citileum, Yucatan.

274553. *GOSSYPIUM* sp.

Hoctun, Yucatan.

274554. *GOSSYPIUM* sp.

Izamal, Yucatan.

274555. *GOSSYPIUM* sp.

Lint brown. Sisal, Yucatan.

274556. *GOSSYPIUM* sp.

Lint white. Sisal, Yucatan.

274557. *GOSSYPIUM* sp.

Tahmek, Yucatan.

274558. *GOSSYPIUM* sp.

Teya, Yucatan.

274559. *GOSSYPIUM* sp.

Ticopo, Yucatan.

274560. *GOSSYPIUM* sp.

Tidal, Yucatan.

**274561 to 274566.**

From Portugal. Seeds presented by the Estacao Agronomica Nacional, Sacavem. Received May 10, 1961.

274561. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae.

Watermelon.

274562. *LACTUCA SALIGNA* L. Cichoriaceae.274563 and 274564. *LACTUCA SERRIOLA* L.

274563. No data.

274564. 'Integrifolia'.

274565. *LACTUCA VIROSA* L.274566. *PISUM ELATIUS* Bieb. Fabaceae.

Mediterranean pea.

274567. *HUMULUS LUPULUS* L. Moraceae.

Common hop.

From Poland. Cuttings presented by the Department of Plant Breeding, Agricultural Institute, Pulawy. Received May 11, 1961.

No. 7.

274568 to 274571. *HUMULUS LUPULUS* L. Moraceae.

Common hop.

From the Union of Soviet Socialist Republics. Cuttings presented by the All-Union Institute of Plant Industry, Leningrad. Grown in the Zhitomir area. Received May 11, 1961.

274568. N. 16.

274569. N. 18.

274570. No. 34.

274571. Originally from Poland. (Unnamed).

**274572. ORYZA SATIVA L. Poaceae.****Rice.**

From Korea. Seeds presented by the Agricultural Experiment Station, Suwon. Received May 12, 1961.

'Nongkeang'.

**274573 to 274581. ORYZA SATIVA L. Poaceae.****Rice.**

From Portugal. Seeds presented by the Missao de Estudos Agronomicos do Ultramar, Lisbon. Received May 12, 1961.

274573. 'Almarelo'.

274578. 'Feronio'.

274574. 'Alvario'.

274579. 'Leziria'.

274575. 'Amareles'.

274580. 'Saloio'.

274576. 'Arbelo'.

274581. 'Tardio'.

274577. 'Campino'.

**274582. GLYCINE KOIDZUMII Ohwi Fabaceae.**

From Okinawa. Seeds presented by the Department of Economics, Plant Protection Service, Ryukyu. Received May 12, 1961.

'Gedaizu'. From Iejima Island.

**274583. MICROCACHRYS TETRAGONA Hook. f. Taxaceae.**

From Australia. Seeds presented by the Tasmanian Regional Laboratory, Hobart, Tasmania. Received May 12, 1961.

**274584. PISUM SATIVUM L. Fabaceae.**

From the United States. Seeds presented by the Montana State College, Bozeman, Montana. Originally from Norway. Received May 12, 1961.

Grown successfully on dry land, yielding about 40 bushels per acre. Lends itself to mechanical sowing (one bushel per acre) and harvesting.

**274585 to 274598.**

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus Botanicus Batumensis, Batum. Received May 15, 1961.

274585. ACER VELUTINUM Boiss. Aceraceae.

274586. BUXUS sp. Buxaceae.

274587. HEDERA CAUCASIGENA Pojark. Araliaceae.

274588. HEDERA COLCHICA Koch

Colchis ivy.

274589. ILEX sp. Aquifoliaceae.

274590. PINUS SOSNOWSKYI Nakai Pinaceae.

274591. PRUNUS LAUROCERASUS L. Amygdalaceae. English cherry-laurel.

274592. RHODODENDRON LUTEUM Sweet Ericaceae.

274593. RHODODENDRON PONTICUM L.

Pontic rhododendron.

274595. THELYCRANIA sp. Cornaceae.

274595. THELYCRANIA sp.

274596. TILIA DASYSTYLA Stev. Tiliaceae.

274597. VIBURNUM OPULUS L. Caprifoliaceae.

European cranberrybush.

274598. VIBURNUM ORIENTALE Pallas.

**274599. ZIZYPHUS JUJUBA Mill. Rhamnaceae.****Jujube.**

From Korea. Plants presented by the Kimhae Branch Station, Horticultural Experiment Station, Kimhae. Received April 27, 1961.

"B".



**274600. GOSSYPIUM HERBACEUM L. Malvaceae. Levant cotton.**

From the Union of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received May 17, 1961.

**274601 to 274683.**

From Poland. Seeds presented by the Instytut Uprawy Nawożenia i Gleboznawstwa, Pulawy. Received May 15, 1961.

274601. *AGROSTIS ALBA* L. Poaceae. **Redtop.**

274602. *ALOPECURUS PRATENSIS* L. Poaceae. **Meadow foxtail.**

274603. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae. **Tall oatgrass.**

274604 and 274605. *AVENA SATIVA* L. Poaceae. **Common oats.**

274604. 'Aurea No. 1'. Spring type.

274605. 'Aurea No. 2'. Spring type.

274606. *AVENA SATIVA* var. *ARISTATA* Schlecht.

Spring type.

274607. *AVENA SATIVA* var. *MUTICA* Schlecht.

Spring type.

274608 to 274610. *AVENA STRIGOSA* Schreb.

Spring type.

274608. 'Glabrescens Cambrica'.

274609. 'Oreadensis Arguta'.

274610. 'Glabrata'.

274611. *BROMUS ERECTUS* Huds. Poaceae. **Meadow bromegrass.**

274612. *BROMUS INERMIS* Leyss. **Bromegrass.**

274613. *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**

274614 to 274616. *FAGOPYRUM ESCULENTUM* Moench Polygonaceae. **Buckwheat.**

274614. 'Pulawska I'. Midseason-late variety; straw long; moderately resistant to lodging.

274615. 'Pulawska II'. Very late variety; straw long; moderately resistant to lodging.

274616. 'Pulawska III'. Very early variety; straw short; resistant to lodging.

274617. *FESTUCA ARUNDINACEA* Schreb. Poaceae. **Tall fescue.**

274618. *FESTUCA ELATIOR* L. **Meadow fescue.**

274619. *FESTUCA OVINA* L. **Sheep fescue.**

274620 to 274631. *HORDEUM VULGARE* L. Poaceae.

Spring type.

274620. 'Mutans Boryna'.

274621. 'Mutans Browarny P.Z.H.R.'. Two row; head long; lodging. Resistant to smut and moderately resistant to mildew. Brewery barley.

274622. 'Mutans Ebro'.

274623. 'Mutans Kazimierski'. Two row; head long; moderately resistant to lodging. Resistant to smut and moderately resistant to mildew.

274624. 'Mutans Mazowiecki'. Six row; resistant to drought. Susceptible to lodging and smut.

## 274601 to 274683—Continued

## 274620 to 274631—Continued

274625. 'Mutans Sandomierski'. Two row; resistant to drought; moderately resistant to lodging; susceptible to smut and rust.

Winter type.

274626. 'Bochenski'. Two row; low winter hardiness. Resistant to smut.

274627. 'Grodkowicki'. Six row; early; low winter hardiness; susceptible to lodging. Moderately resistant to smut, rust and mildew.

274628. 'Kostek'. Six row; long hood; low winter hardiness; moderately susceptible to lodging.

274629. 'Pulawski'. Two row; low winter hardiness. Resistant to smut.

274630. 'Pulawski'. Six-row; good winter hardiness. Tolerant of smut.

274631. 'Urbanowicki'. Six-row; good winter hardiness; early; resistant to lodging.

## 274632 to 274635. HORDEUM VULGARE var. PALLIDUM Seringe

Winter type.

274632. 'Kujawiak'. Six row; low winter hardiness; resistant to lodging, smut and mildew.

274633. 'Mikulicki'. Six row; head short; low winter hardiness; very early; lodging. Resistant to smut and mildew.

274634. 'Slaski I'. Six row; low winter hardiness; moderately resistant to lodging. Susceptible to powdery mildew; moderately resistant to smut.

274635. 'Slaski II'. Six row; low winter hardiness; early; resistant to lodging. Moderately resistant to powdery mildew and smut.

274636. LOLIUM MULTIFLORUM Lam. Poaceae. Italian ryegrass.

274637. LOLIUM PERENNE L. Perennial ryegrass.

274638. LOLIUM MULTIFLORUM Lam. Italian ryegrass.

274639. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

'Pulawska'. Winter hardy. Good yielder.

274640 to 274642. ORNITHOPUS SATIVUS Brot. Fabaceae. Serradella.

274640. 'Bydgoska'.

274641. 'Manurska Bata'.

274642. 'Manurska Roxawa'.

274643. PHLEUM PRATENSE L. Poaceae. Timothy.

274644. POA PALUSTRIS L. Poaceae. Roughstalk bluegrass.

274645 to 274648. POA PRATENSIS L. Kentucky bluegrass.

274645. No. 1. 274647. No. 3.

274646. No. 2. 274648. No. 4.

274649. SECALE CEREALE L. Poaceae. Rye.

'Pulawskie'. Late variety; winter hardiness good; straw long. Used for grazing and silage. Does best on light soil.

274650. TRisetum FLAVESCENS (L.) Beauv. Poaceae.

## 274601 to 274683—Continued

274651 to 274667. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

Spring type.

274651. 'Erythrospermum Ostka Zhlopicka'. Moderately winter hardy; straw stiff; beard; chaff and kernels red; moderately resistant to lodging, rust and powdery mildew; susceptible to smut and bunt.

274652. 'Lutescens Bajka'. Beardless; chaff white; kernels red; moderately resistant to lodging and powdery mildew; resistant to smut and rust.

274653. 'Lutescens Malborska'. Late variety; beardless; chaff white; kernels red; lodging. Moderate resistant to smut and powdery mildew; resistant to rust and *Chlorops taeniopus*.

274654. 'Lutescens Rokicka'. Beardless; straw short; chaff white; kernels red; resistant to lodging, leaf and stem rust; moderately resistant to powdery mildew.

274655. 'Opolska'. Beardless; chaff red; resistant to lodging, bunt and rust, moderately resistant to smut and powdery mildew.

274656. 'Barbarossa Podolanka'. Moderately winter hardy; beard; chaff red; kernel red; moderately resistant to lodging. Resistant to smut; susceptible to rust, powdery mildew and bunt.

274657. 'Erythrospermum Blondynka'. Low winter hardiness; early; beard; straw long; chaff white; kernels red; moderately resistant to lodging, powdery mildew and bunt; resistant to rust; susceptible to smut.

274658. 'Erythrospermum Lwowianka'. Good winter hardiness; straw long; beard; chaff white; kernels white; resistant to lodging and smut; moderately resistant to rust, powdery mildew and bunt.

274659. 'Ferrugineum Eka'. Very good winter hardiness; chaff and kernels red; endures drought; susceptible to lodging. Moderately resistant to rust, powdery mildew, smut and bunt.

274660. 'Ferrugineum Ostka Zlotoklosa'. Moderately winter hardy; straw stiff; beard; chaff and kernels red; moderately resistant to lodging, rust and powdery mildew; susceptible to smut and bunt.

274661. 'Grono'. Low winter hardiness; straw stiff; beardless; chaff white; kernels red, hard; resistant to lodging.

274662. 'Lutescens Leszczynska Wczesna'. Low winter hardiness; beardless; chaff white; kernels red; drought resistant; moderate resistant to lodging. Resistant to Polish race of leaf and stem rust.

274663. 'Malgorzatka Udycka'. Good winter hardiness; beard; chaff white; kernels red; resistant to lodging; smut; moderately resistant to bunt; susceptible to rust and powdery mildew.

274664. 'Szelejewska'. Low winter hardiness; straw stiff; beardless; chaff and kernels red; drought resistant; resistant to lodging and loose smut; moderately resistant to powdery mildew, bunt and leaf rust.

274665. 'Kujawianka Wieclawicka'. Good winter hardiness; beardless; chaff and kernels red; lodging. Resistant to bunt; moderately resistant to leaf rust and powdery mildew; susceptible to smut.

274666. 'Zdzislawka'. Moderately winter hardy; straw long; chaff and kernels red; moderately resistant to lodging. Resistant to rust and smut; susceptible to powdery mildew and bunt.

274667. 'Zelazna'. Low winter hardiness; straw stiff; beardless; chaff and kernels red; resistant to lodging; loose smut; moderately resistant to leaf rust; susceptible to powdery mildew and bunt.



**274601 to 274683—Continued****274668 to 274683. TRITICUM DURUM Desf.****Durum wheat.**

274668. 'Affine'.	274676. 'Leucurum'.
274669. 'Africanum'.	274677. 'Liban I'.
274670. 'Coerulescens'.	274678. 'Liban II'.
274671. 'Erythromelan'.	274679. 'Libicum'.
274672. 'Hordeiforme I'.	274680. 'Melanopus'.
274673. 'Hordeiforme II'.	274681. 'Muriciense'.
274674. 'Hordeiform Hela'.	274682. 'Provinciale'.
274675. 'Leucomelan Biskrei'.	274683. 'Reichenbachi'.

**274684 to 274695. CLEMATIS (hybrids). Ranunculaceae.**

From France. Plants purchased from Andre Girault's Nurseries, Orleans.  
Received May 15, 1961.

274684. 'Azurstern'.	274690. 'Modesta'.
274685. 'Bagatelle'.	274691. 'Queen Alexandra'.
274686. 'Caravelle'.	274692. 'Ville de Limoges'.
274687. 'Colette Deville'.	274693. 'Ville de Paris'.
274688. 'Gem'.	274694. 'Xerces'.
274689. 'Le Cid'.	274695. 'Vvette Houry'.

**274696 to 274738.**

From Japan. Plant material collected by J. L. Creech, agricultural explorer,  
Crops Research Division, Plant Industry Station, Beltsville, Md. For  
U.S.D.A.-Longwood Cooperative Program. Received May 15, 1961.

**274696. ASARUM sp. Aristolochiaceae.**

Col. No. 858. Dense woods, Yasuman-dake, Hirado Island, Kyushu. Elevation 400 meters. Small terrestrial plant with variegated, heart-shaped leaves.

**274697. BUXUS MICROPHYLLA Sieb. & Zucc. Buxaceae.**

Col. No. 847. Growing wild along edges of rice paddies, Ushiro-bira, Hirado Island. Evergreen tree with small ovate leaves.

**274698. CALANTHE sp. Orchidaceae.**

Col. No. 860. Dense forest, Yasuman-dake, Hirado Island, Kyushu. Terrestrial orchid with green and white flowers in terminal spike.

**274699. CALANTHE sp.**

Col. No. 859. Dense forest, Yasuman-dake, Hirado Island, Kyushu. A terrestrial orchid with dark red and white flowers in a terminal spike; flowers 19 mm. across.

**274700 to 274703. CAMELLIA JAPONICA L. Theaceae. Common camellia.**

274700. Col. No. 846. 'Tsubake'. Ushiro-bira, Hirado Island, Hiyashi Farm. Late, anemone type; flowers red, from February to early June.

274701. Col. No. 853. Top of Yasuman-dake, Hirado Island, Kyushu. Elevation 514 meters. Three to five meters high; flowers red, single.

274702. Col. No. 854. Top of Yasuman-dake, Hirado Island, Kyushu. Elevation 514 meters. Typical species; flowers red, in full bloom.

274703. Col. No. 855. Top of Yasuman-dake, Hirado Island, Kyushu. Elevation 514 meters. Typical species; flowers red, in full bloom.

**274696 to 274738—Continued**

274704. *HOSTA* sp. Liliaceae.

Col. No. 861. On Yasuman-dake, Hirado Island, Kyushu. Elevation 400 meters. Terrestrial plant; leaves basal.

274705 to 274735. *RHODODENDRON* (hybrids). Ericaceae.

274705 to 274725. Plants from private gardens, Hirado Island, Kyushu.

274705 to 274709. From Mori-son garden.

274705. 'Eiko'. Flowers bright purplish pink, to nine cm. across.

274706. 'Fukuju'. Flowers light purplish pink, to 10 cm. across.

274707. 'Hakurakuten'. Flowers pure white, to eight cm. across.

274708. 'Harunohikari'. Flowers light purplish pink, to 10 cm. across.

274709. 'Harunoumi'. Flowers light purplish pink, to 10 cm. across.

274710. 'Heiwanohikari'. Nambu garden. Flowers reddish purple, to eight cm. across.

274711 to 274716. From Mori-son garden.

274711. 'Hiradonohomare'. Flowers purple, heavy blotched, to 9.5 cm. across.

274712. 'Horai'. Flowers intense red, to 10.5 cm. across.

274713. 'Irihinokumo'. Flowers deep pink, to nine cm. across.

274714. 'Izaribi'. Flowers intense red, to 9.5 cm. across.

274715. 'Kintoki'. Flowers intense purplish red, to eight cm. across.

274716. 'Matsurahime'. Flowers light purplish pink, to 11 cm. across.

274717. 'Momoyama'. Nambu garden. Flowers intense purplish pink, to nine cm. across.

274718. 'Myoken'. Mori-son garden. Flowers purplish pink, to 10 cm. across.

274719. 'Myoken'. Nambu garden. Flowers purplish pink, to 9.5 cm. across.

274720 to 274722. From Mori-son garden.

274720. 'Rashomon'. Flowers intense red, to 11 cm. across.

274721. 'Reimei'. Flowers bright purplish pink, to 10 cm. across.

274722. 'Senzai Kaku'. Flowers light to dark pink, to 10 cm. across.

274723. 'Sekiyo'. Shiziki garden. Flowers intense red, to 11.5 cm. across.

274724. 'Shinnan'. Mori-son garden. Flowers purplish pink, to 11 cm. across.

274725. 'Tenjin'. Nambu garden. Flowers deep purplish pink, to 6.5 cm. across.

274726 to 274735. Cuttings from private gardens, Hirado Island, Kyushu.

274726. 'Hiran'. Ura garden. Flowers bright purplish red, to 10.5 cm. across.

274727. 'Irihimokumo'. Ura garden. Flowers deep pink, to nine cm. across.

274728. 'Kumonoue'. Kumazawa garden. Flowers deep purplish pink, to 10 cm. across.

**274696 to 274738—Continued****274705 to 274735—Continued****274726 to 274735—Continued**

274729. 'Kurokoshima'. Ura garden. Flowers purplish red, to 10.5 cm. across.

274730. 'Rakuyo'. Nambu garden. Flowers medium pink, to 10.5 cm. across.

274731. 'Ranman'. Ura garden. Flowers deep pink, to 10 cm. across.

274732. 'Shinnan'. Ura garden. Flowers purplish pink, to 11 cm. across.

274733. 'Shinsho'. Ura garden. Flowers deep purplish pink, to 13 cm. across.

274734. 'Tai Hai'. Nakamura garden. Flowers deep pink, to 11 cm. across.

274735. 'Tensho'. Kumazawa garden. Flowers reddish pink, to nine cm. across.

274736. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.) Wilson.

**Torch azalea.**

Col. No. 857. Dry rocky cliffs, Yasuman-dake, 200 meters from Hirado Island, Kyushu. Plant small, shrubby; flowers brick red.

274737. *RHODODENDRON WEYRICHII* Maxim.

Col. No. 845. 'On-tstusuji'. Kiyashi Farm, Ushiro-bira. White form from Goto Island.

274738. *SERISSA FOETIDA* (L.f.) Lam. Rubiaceae.

Col. No. 862. Summit of Mount Shiziku-dake, southernmost Hirado, Kyushu. Evergreen shrub in wild, growing only a few inches high.

**274739 to 274741. ORYZA SATIVA L. Poaceae.**

**Rice.**

From the Philippines. Seeds presented by the Division of Plant Breeding, University of the Philippines, College of Agriculture, Laguna. Received May 17, 1961.

274739. 'Azucena'.

274740. 'Dinalaga'.

274741. FB-76.

**274742 to 274757. SOLANUM TUBEROSUM L. Solanaceae.**

**Potato.**

From the Union of Soviet Socialist Republics. Tubers presented by the All-Union Institute of Plant Industry, Leningrad. Received May 17, 1961.

274742. 'Agronomiceskij'. 'Cobbler' × 'Fitoforoustojczivyj' × 'Zeidlitz'. Wart resistant, early variety.

274743. 'Export'. 'Primadonna' × 'Pepo'. Wart resistant, late variety.

274744. 'Jygeva Kollane'. Seedling 942/30 × 'Alpha'. Wart resistant, late variety.

274745. 'Jygeva Talvik'. Seedling N 40663/21 × 'Virulane'. Wart resistant, main crop variety.

274746. 'Kalev'. 'Pepo' × 'Erdzelblue'. Wart resistant, early variety.

274747. 'Kungla'. 'Pepo' × 'Centifolia'. Wart resistant, main crop variety.

274748. 'Minskij'. 'Ostbote' × Seedling 1327.9. Wart resistant, main crop variety.



**274742 to 274757—Continued**

274749. 'Oktjabrenok'. 'Furstenkrone' × 'Asa'. Wart resistant, early variety.
274750. 'Olev'. 'Virulane' × Hybrid with *S. demissum* Munchebergs seedling 40663/21. Wart resistant, late variety.
274751. 'Petrovskij'. *S. tuberosum* var. *europaeum* × 'Zeidlitz' × 'Pepo'. Wart resistant, early variety.
274752. 'Pirmunes'. ('Pepo' × Seedling 522 × Pisarevs seedling) × (*S. andigenum* × 'Centifolia'). Wart resistant, main crop variety.
274753. 'Puntukas'. 'Pepo' × Seedling 521. Wart resistant, main crop variety.
274754. 'Ruta'. Seedling 1325 × 'Milda'. Wart resistant, late variety.
274755. 'Tiesa'. 'Jubel' × *S. demissum* Hybrid Seedling 967 c/37. Wart resistant, main crop variety.
274756. 'Trudovoj'. 'Fitoforoustojczivyj' × 'Schoolmaster'. Wart resistant, main crop variety.
274757. 'Vilia'. 'Woltman' × 'Pepo'. Wart resistant, main crop to late variety.

**274758 to 274766.**

From Japan. Plant material collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Seeds unless otherwise noted. For U.S.D.A.-Longwood Cooperative Program. Received May 17, 1961.

274758 to 274760. *ERIOBOTRYA JAPONICA* (Thunb.) Lindl. Malaceae.

**Loquat.**

274758. Col. No. 843. 'Karabiwa'. An old, thin-fleshed, small-fruited variety. Resistant to gall diseases. Fruits.

274759. Col. No. 844. 'Kesamatsu'. Used as understock; fruits small.

274760. Col. No. 842. 'Mogi'. Earliest variety (to mid-May). Fruit large to medium, the best in quality and bearing. Fruits.

274761. *ARDISIA JAPONICA* (Thunb.) Blume Myrsinaceae.

Col. No. 848. Edge of woods, Kurume, Fukuoka-ken. Small evergreen shrub; leaves lanceolate; fruit bright red.

274762. *ARDISIA CRISPA* (Thunb.) DC.

Col. No. 851. 'Leucocarpa'. Mr. Mori's garden, Hirado, Kyushu. Fruit white.

274763. *CAESALPINIA SEPIARIA* Roxb. Caesalpinaceae. **Mysore thorn.**

Col. No. 817. 'Nemu-rigi'. Kaunon-dake, Kagoshima Prefecture. Armed shrub to 8 feet high; leaflets, 6 to 8 pairs, oblong, about 0.5 inch long; flowers in terminal raceme, yellow.

274764. *DAMNACANTHUS INDICUS* Gaertn. f. Rubiaceae.

Col. No. 850. Evergreen woods, Ushira-bira, Hirado Island, Kyushu. Spiny evergreen shrub to 18 inches high; fruit solitary, bright red.

274765. *ILEX ROTUNDA* Thunb. Aquifoliaceae.

Col. No. 849. Kurume garden, Fukuoka-ken, Kyushu. Evergreen tree to 20 feet high; leaves rotund, fruit small, red.

274766. *KADSURA JAPONICA* (L.) Juss. Magnoliaceae. **Scarlet kadsura.**

Col. No. 856. Slopes of Yasuman-dake, Hirado Island, Kyushu. Elevation 1,300 feet. Evergreen vine; leaves entire, ovate to lanceolate; fruit bright red, six seeded.

**274767 to 274778.**

From the Union of South Africa. Seeds presented by the Department of Agriculture, Pretoria. Received May 18, 1961.

274767. *CROTALARIA OCHROLEUCA* G. Don Fabaceae.

'Phillipsii'. DL/61/460-DL/61/573. From Rhodesia-Nyasaland.

274768 to 274773. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.

274768. DL/61/575. Tree type.

274769. DL/61/576. HY 6.

274770. DL/61/577. I67. 'Cimmaron Inbred'.

274771. DL/61/578. I36.

274772. DL/61/584. 'Margate'. Self decorticating.

274773. DL/61/585. HY. 176.

274774 and 274775. *SORGHUM CAFFRORUM* var. *BRUNNEOLUM* Snowden Poaceae.

274774. DL/61/579. 'Haakdoorn'.

274775. DL/61/580. 'Birdproof'.

274776 to 274778. *SORGHUM CAFFRORUM* var. *LASIORHACHIS* (Hack.) Snowden.

274776. DL/61/581. 'Radar'.

274777. DL/61/582. 'Barnard Red'.

274778. DL/61/583. 'Ntuli Red'.

274779. *SACCHARUM* (hybrid). Poaceae. Sugarcane.

From the United States. Cuttings presented by the Hawaiian Sugar Planters Association, Honolulu, Hawaii. Received May 18, 1961.

CP 52-43.

**274780 to 274793.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received May 18, 1961.

274780 to 274782. *ALLIUM CEPA* L. Liliaceae.

Onion.

274780. 'Basai Red'. I.W. 3075.

274781. 'Nasik Red'. I.C. 5418.

274782. 'Pusa Red'.

274783. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. Cauliflower. 'Pusa Katki'.

274784. *CITRULLUS COLOCYNTHIS* (L.) Schrad. Cucurbitaceae. Colocynth. I.W. 1734.

274785. *CITRULLUS LANATUS* (Thunb.) Mansf.

Watermelon.

(J.R.B.) V-13 (selfed).

274786. *CUCURBITA MOSCHATA* Duchesne Cucurbitaceae.

Cushaw.

Fruit oblong.

274787. *CUCURBITA PEPO* L.

Pumpkin.

'Yellow Round'.

274788 and 274789. *DAUCUS CAROTA* L. Apiaceae.

Carrot.

274788. Black.

274789. Red.

**274780 to 274793—Continued**274790. *DAUCUS* sp.

I.W. 1820.

274791. *DAUCUS* sp.

I.W. 1821.

274792. *DAUCUS* sp.

I.W. 1949. 'Kashmir'.

274793. *DAUCUS* sp.

I.W. 1950. 'Kashmir'.

**274794 and 274795. CITRULLUS LANATUS (Thunb.) Mansf.****Cucurbitaceae.****Watermelon.**

From Pakistan. Seeds presented by the United States Operations Mission, Karachi. Received May 18, 1961.

'Turmuz'. Vines vigorous; fruit 12 inches long, nine inches diameter, slightly ribbed; skin dark green; flesh pink to light red; taste bland, dominated by cucumber. No indication of wilt.

274794. No. 1. Seeds black.

274795. No. 2. Seeds brown.

**274796 to 274806.**

From Japan. Plant material collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received May 18, 1961.

274796 to 274799. *CAMELLIA JAPONICA* L. Theaceae. **Common camellia.**

274796. Col. No. 866. Along streambed, Taradake, Nagasaki-ken, Kyushu. Elevation 900 meters. Tree to 7.5 meters high; leaves small, narrow; flowers red.

274797. Col. No. 870. Farmhouse on Taradake, Nagasaki-ken, Kyushu. Elevation 400 meters. Late-flowering variety; flowers pink, white edged, double.

274798. Col. No. 871. On Taradake, Nagasaki-ken, Kyushu. Elevation 600 meters. Tree to 6 meters high; leaves broad, shining, green; flowers pink.

274799. Col. No. 872. On Taradake, Nagasaki-ken, Kyushu. Elevation 900 meters. Leaves small, flowers dark red, tubular.

274800. *LYCORIS SANGUINEA* var. *KUISHIANA* Makino **Amaryllidaceae.**

Col. No. 864. On Taradake, Nagasaki-ken, Kyushu. Elevation 600 meters. Leaves grow in spring; flowers in late July to early August, orange colored.

274801. *HOSTA NAKAIANA* F. Maekawa **Liliaceae.**

Col. No. 874. On Taradake, Nagasaki-ken, Kyushu. Elevation 950 meters. Plantain lily; flowers pale purple.

274802. *ILEX CRENATA* Thunb. **Aquifoliaceae.****Japanese holly.**

Col. No. 867. Top of Mount Kyogatake, Nagasaki Prefecture. Elevation 1,057 meters. Plant small, shrubby; leaves dark green, small, ovate.

274803. *RHODODENDRON METTERNICHII* Sieb. & Zucc. **Ericaceae.****Leatherleaf rhododendron.**

Col. No. 868. Top of Mount Kyogatake, Nagasaki Prefecture. Elevation 1,057 meters. Evergreen type; flowers pale pink.



**274796 to 274806—Continued**

274804. *SYMPLOCOS* sp. Symplocaceae.

Col. No. 863. Kushima-Zaki, Omura-Kyuahu. Broadleaved evergreen shrub; leaves alternate; fruit three-seeded, black.

274805. *ZOYSIA JAPONICA* Stued. Poaceae.

Japanese lawngrass.

Col. No. 878. Nakasaki Agricultural Experiment Station, Omura, Kyushu. A fine leaved form.

274806. Undetermined.

Col. No. 881. Foot of Iwaya Mountain, Nagasakipken, Kyushu. Small, ground-covering vine; leaves, ovate, silver variegated, coarsely toothed.

**274807 and 274808. *LACTUCA SERRIOLA* L. Cichoriaceae.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received May 18, 1961.

274807. 'Kahu'.

274808. I.W. 1833. 'Himachal Pradesh'.

**274809 to 274830.**

From Poland. Seeds presented by the Institute of Plant Protection, Poznan. Received May 19, 1961.

274809. *LUPINUS ALBUS* L. Fabaceae.

White lupine.

'Baily Drobnonasienny'.

274810 to 274823. *LUPINUS ANGUSTIFOLIUS* L.

274810. 'Obornicki'. Alkaloidarm.

274811. 'Pulawski Rozowy Wczesny'. Bitter.

274812. 'Rod B.G.W.'. Bitter.

274813. 'Rod C.Z.'. Alkaloidarm.

274814. 'Rod C.Z.'. Bitter.

274815. 'Rod T.II'. Alkaloidarm.

274816. 'Rod T.L. 17'. Alkaloidarm.

274817. 'Rod T.L. 19'. Alkaloidarm.

274818. 'Rod T.L. 21'. Alkaloidarm.

274819. 'Rod T.L. 19'. Bitter.

274820. 'Rod T.L. 21'. Bitter.

274821. 'Rod T.L. 23'. Bitter.

274822. 'Waskolistny Szybkopedny'. Alkaloidarm.

274823. 'Wielkopolski Goryki'. Bitter.

274824 to 274830. *LUPINUS LUTEUS* L.

European yellow lupine.

274824. 'Bielanski Pastewny'.

274828. 'Rod M.I'.

274825. 'Cytrynowy'.

274829. 'Rod M.VIII'.

274826. 'Pomorski Pastewny'.

274830. 'Slodziak'.

274827. 'Popularny'.

**274831. *PISUM SATIVUM* L. Fabaceae.**

From Sweden. Seeds presented by the Horticultural Research Station, Akarp. Received May 19, 1961.

Line 64, from cross No. 43/1. Slender, 1e, cyl, cy2s. Recessive for r, st, wlo, a.

**274832. AMOREUXIA PALMATIFIDA** Moc. & Sesse.

Cochlospermaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Collected in 1959. Numbered May 19, 1961.

Col. No. 17832. 'Saya'. Three miles south of Navajoa, Sonora. Perennial herb; roots, tuberous, edible; fruits edible.

**274833. PRUNUS TEXANA** Dietr. Amygdalaceae.

From the United States. Plants collected by J. B. Storey, Texas Agricultural and Mechanical College, College Station, Texas. Received May 19, 1961.

'Tex. 6'. Hog plum. Rocky soil, three miles east of Llano, State Highway 29. Low-growing, many-branched shrub; internodes short; leaves serrate, grayish green; flowers white; fruit 0.75 inch in diameter, yellow; seed small; endocarp slightly pubescent.

**274834 to 274839.**

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received May 19, 1961.

**274834. AUCUBA JAPONICA** Thunb. Cornaceae. **Japanese aucuba.**

Col. No. 877. Taradake, Nagasaki-ken, Kyushu. Elevation 700 meters. Evergreen shrub to 3.8 meters high; fruit bright red, oblong.

**274835. DAMNACANTHUS MACROPHYLLUS** Sieb. ex. Miq. Rubiaceae.

Col. No. 879. Iwaya Mountain, Nagasaki-ken, Kyushu. Elevation 200 to 400 meters. Spiny shrub to 1.2 meters high; fruits bright red.

**274836. ELAEAGNUS** sp. Elaeagnaceae.

Col. No. 880. Iwaya Mountain, Nagasaki-ken, Kyushu. Elevation 350 meters. Scandent evergreen shrub; fruit orange colored, oblong.

**274837. ILEX** × **KUISIANA** Hatusima Aquifoliaceae.

Col. No. 876. Taradake, Nagasaki-ken, Kyushu. Elevation 500 meters. Rare evergreen; fruit red, somewhat smaller than *I. integra*.

**274838. ILEX LATIFOLIA** Thunb.

Col. No. 865. Taradake, Nagasaki-ken, Kyushu. Elevation 650 meters. Evergreen tree to 7.6 meters high; leaves to 25 cm. long; fruit red, in large clusters.

**274839. RHODODENDRON WEYRICHII** Maxim. Ericaceae.

Col. No. 869. Seaside, Kushima-zaki, Nagasaki-ken, Kyushu. Deciduous shrub; flowers orange red.

**274840 to 274842. MALUS SYLVESTRIS** Mill. Malaceae.

From the Union of Soviet Socialist Republics. Trees presented by the All-Union Institute of Plant Industry, Leningrad. Received May 11, 1961. Numbered May 19, 1961.

Developed by Professor B. I. Budagowsky, Michurinsk.

**274840.** No. MK 14. Plants semidwarf.

**274841.** No. 118. Plants semidwarf.

**274842.** No. 9. Plants dwarf, red leaved.

**274843 to 274866. BIXA ORELLANA L. Bixaceae. Annatto-tree.**

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico City.  
Received May 22, 1961.

274843. No. 1.	274855. No. 13.
274844. No. 2.	274856. No. 14.
274845. No. 3.	274857. No. 15.
274846. No. 4.	274858. No. 16.
274847. No. 5.	274859. No. 17.
274848. No. 6.	274860. No. 18.
274849. No. 7.	274861. No. 19.
274850. No. 8.	274862. No. 20.
274851. No. 9.	274863. No. 21.
274852. No. 10.	274864. No. 22.
274853. No. 11.	274865. No. 23.
274854. No. 12.	274866. No. 24.

**274867 to 274876.**

From Japan. Plants material collected by J. L. Creech, agricultural explorer,  
Crops Research Division, Plant Industry Station, Beltsville, Md. For  
U.S.D.A.-Longwood Cooperative Program. Received May 23, 1961.

**274867 and 274868. BLETILLA STRIATA (Thunb.) Reichb. f. Orchidaceae. Orchid.**

274867. Col. No. 891. Kikugawa, half way between Hamamatsu and Shizuoka, Shizuoka Prefecture. Terrestrial orchid; leaves narrow lanceolate; flowers on stems six inches long, white or deep purple.

274868. Col. No. 892. Kikugawa, half way between Hamamatsu and Shizuoka, Shizuoka Prefecture. Terrestrial orchid; leaves narrow lanceolate; flowers white to purple.

**274869. BUXUS sp. Buxaceae.**

Col. No. 882. Mount Kosho, central Kyushu. Elevation 2,800 feet. Tree to 10 feet high; leaves small, ovate, dark green, shiny.

**274870. ILEX CRENATA Thunb. Aquifoliaceae. Japanese holly.**

Col. No. 884. Mount Kosho, central Kyushu. Elevation 2,450 feet. Spreading form; leaves small, dark green.

**274871. LYCORIS SANGUINEA var. KUISHIANA Makino Amaryllidaceae.**

Col. No. 885. Mount Kosho, central Kyushu. Flowers orange, in August.

**274872 and 274873. RHODODENDRON (hybrid). Ericaceae.**

274872. Col. No. 893. Mount Ashitake, Shizuoka Prefecture. Elevation 3,160 feet. A natural hybrid between *R. kaempferi* and *R. komiyamae*; flowers pink to purple.

274873. Col. No. 894. Mount Ashitake, Shizuoka Prefecture. Elevation 2,950 feet. Hybrid seedlings of *R. kaempferi* and *R. komiyamae*, flowers somewhat larger than latter, pink to purple.

**274874. RHODODENDRON LINEARIFOLIUM var. MACROSEPALUM (Maxim.) Makino**

Col. No. 889. Miyakoda, Shizuoka Prefecture. Elevation 650 feet. Leaves large, hairy; flowers purple, with numerous glands; sepals long, narrow.



## 274867 to 274876—Continued

274875. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.) Wilson  
Torch azalea.

Col. No. 888. Mikata Kahara, Hamamatsu, Shizuoka. Plant small; leaves ovate, cup shaped; flowers brick red.

274876. *RHODODENDRON* (hybrid).

Col. No. 890. Near Miyakoda, Shizuoka Prefecture. An intermediate form between *R. kaempferi* and *R. linearifolium* var. *macrosepalum* having a cold range between both parents.

## 274877 to 274893.

From Japan. Plants presented by Hideo Kubota, Tochigi Prefecture. Received May 23, 1961.

274877. *BUXUS MICROPHYLLA* var. *JAPONICA* (Muell.-Arg.) Rehd. & Wils.  
Buxaceae.

274878. *CLEMATIS FLORIDA* Thunb. Ranunculaceae.

274879. *CLEMATIS FUJISANENSIS* Hisauti ex Hara

274880. *CLEMATIS FUSCA* Trucz.

274881. *CLEMATIS JAPONICA* Thunb.

274882. *CLEMATIS JAPONICA* var. *BREVIPELICELLATA* Makino

274883. *CLEMATIS JAPONICA* f. *CREMEA* (Makino) Ohwi

274884. *CLEMATIS OCHOTENSIS* Poir.

'Japonica'.

274885. *CLEMATIS PATENS* Morr. & Decne.

274886. *CLEMATIS PIEROTII* Miq.

274887. *CLEMATIS SPECIOSA* (Makino) Makino

274888. *CLEMATIS STANS* var. *AUSTROJAPONENSIS* (Ohwi) Ohwi

274889. *LIGUSTRUM TSCHONOSKII* var. *KIYOZUMIANUM* (Nakai) Ohwi  
Oleaceae.

274890. *RHODODENDRON LINEARIFOLIUM* Sieb. & Zucc. Ericaceae.

'Rhodoroides'.

- 274891 and 274892. *RHODODENDRON MUCRONATUM* (Blume) G. Don

274891. 'Shiromanyo'.

274892. 'Shironishiki'.

274893. *RHODODENDRON* sp.

## 274894 to 274897.

From France. Seeds presented by the Museum National d'Histoire Naturelle, Paris. Received May 24, 1961.

274894. *AGROPYRON CANINUM* (L.) Beauv. Poaceae. Awned wheatgrass.

274895. *AGROPYRON JUNCEUM* (L.) Beauv.

On coastal dunes, Guisseny (Finistere).

- 274896 and 274897. *AGROPYRON LITTORALE* (Host) Dum.

274896. Salt marshes, Gavre (Morbihan).

274897. Salt marshes, Riec sur Belen (Finistere).

**274898 to 274901.**

From the Netherlands. Seeds presented by the Hortus Botanicus Universitatis, Nijmegen. Received May 24, 1961.

274898. *LACTUCA AUGUSTANA* All. Cichoriaceae.

No. 172.

274899. *LACTUCA SALIGNA* L.

No. 173.

274900. *LACTUCA SATIVA* L.

No. 174.

274901. *LACTUCA VIROSA* L.

No. 175.

**274902. *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.**

From Great Britain. Seeds presented by Watkins & Simpson, Crawley, Sussex, England. Received May 24, 1961.

'Everyday'.

**274903 and 274904.**

From Germany. Seeds presented by the Botanic Garden, Bremen. Received May 24, 1961.

274903. *ALOPECURUS ARUNDINACEUS* Poir. Poaceae.

274904. *ALOPECURUS PRATENSIS* L.

Meadow foxtail.

274905. *COLOCASIA ESCULENTA* (L.) Schott Araceae.

Dasheen.

From New Britain. Seeds presented by the Department of Agriculture, Lowlands Agricultural Experiment Station, Kerevat. Numbered May 25, 1961.

**274906. *TRIFOLIUM REPENS* L. Fabaceae. Whiteclover.**

From Ecuador. Seeds presented by the United States Operations Mission, Quito. Received May 25, 1961.

Plant prostrate, growing in semidesert conditions, without rain for seven consecutive months, with hot dry winds. Elevation 9,000 feet, yet warm enough to grow corn. Soil pH 5.0, phosphate deficient. All cultivated crops are irrigated.

**274907 to 274914.**

From Turkey. Seeds collected by the Faculty of Agriculture, University of Ankara, Ankara. Received May 25, 1961.

274907. *ALLIUM ROTUNDUM* L. Liliaceae.

274908. *ATROPIS DISTANS* Griseb. Poaceae.

274909. *DAUCUS* sp. Apiaceae.

274910. *HORDEUM BULBOSUM* L. Poaceae.

274911. *POA NEMORALIS* L. Poaceae.

Wood bluegrass.

274912. *SECALE MONTANUM* Guss. Poaceae.

274913. *ECHINOCHLOA CRUSGALLI* (L.) Beauv. Poaceae.

274914. *TRIFOLIUM PURPUREUM* Loisel. Fabaceae.

**274915 to 274944.**

From Australia. Seeds presented by the Botanic Garden, Adelaide. Received May 25, 1961.

274915. *ACACIA CALAMIFOLIA* Sweet Mimosaceae.

Bushy shrub to eight feet high, useful as shelter. Annual rainfall 10 inches.

## 274915 to 274944—Continued

274916. *ACACIA LIGULATA* A. Cunn.

Rounded, compact shrub to eight feet high. Browsed by livestock. Annual rainfall 10 inches.

274917. *ACACIA NERIIFOLIA* A. Cunn. ex Benth. **Bald acacia.**

Dense, bushy shrub to eight feet high. Annual rainfall 15 inches.

274918. *ACACIA NOTABILIS* F. Muell.

Dense, bushy shrub to six feet high. Annual rainfall 15 inches.

274919. *ACACIA SALICINA* Lindl. Mimosaceae.

Tree to 20 feet high, suckers to form shelter thickets, hardy. Annual rainfall 15 inches.

274920. *ACACIA SALIGNA* (Labill.) Wendl. **Willow acacia.**

Quick-growing tree to 20 feet high. Useful as shelter if planted in clumps. Annual rainfall 15 inches.

274921. *BANKSIA MARGINATA* Cav. Proteaceae.

Dense, bushy shrub to 8 feet high.

274922. *BANKSIA ORNATA* F. Muell. ex Meissn.

Dense, bushy shrub to 8 feet high.

274923. *CALLISTEMON BRACHYANDRUM* Lindl. Myrtaceae.

Bushy shrub to 8 feet high, drought resistant, useful on sandy soils in warm districts. Annual rainfall 10 inches.

274924. *CALLISTEMON RUGULOSUS* DC.

Bushy shrub to 10 feet high.

274925. *CALOTHAMNUS QUADRIFIDUS* Ait. Myrtaceae.

Dense, bushy shrub to 6 feet high. Useful as shelter. Annual rainfall 20 inches.

274926. *CASUARINA GLAUCA* Sieber ex Spreng. Casuarinaceae. **Beefwood.**

Tree to 40 feet high; suckers to form shelter thickets; very hardy; tolerates swampy and saline conditions; foliage useful as fodder.

274927. *DODONAEA ATTENUATA* A. Cunn. Sapindaceae.

Shrub to 8 feet high. Useful as shelter if planted in dense clumps. Annual rainfall 15 inches.

274928. *EUCALYPTUS CALCICULTRIX* F. Muell. Myrtaceae.

Small tree or mallee, useful as shelter if planted in clumps. Annual rainfall 8 inches.

274929. *EUCALYPTUS CALYCOGONA* Turcz.

Mallee to 25 feet high. Useful as shelter. Annual rainfall 10 inches.

274930. *EUCALYPTUS FLOCKTONIAE* Maiden

Mallee, sometimes tree, to 26 feet high. Useful as shelter if planted in clumps. Annual rainfall 10 inches.

274931. *EUCALYPTUS FORRESTIANA* Diels

Bushy tree to 15 feet high. Useful as shelter if planted in clumps; fruits ornamental. Annual rainfall 15 inches.

274932. *EUCALYPTUS GRACILIS* F. Muell.

Mallee or tree, useful as shelter. Annual rainfall 10 inches.

274933. *EUCALYPTUS INCRASSATA* Labill.

'Angulosa'. Mallee to 15 feet high. Annual rainfall eight inches.



## 274915 to 274944—Continued

274934 and 274935. *EUCALYPTUS OLEOSA* F. Muell.

274934. Tree to 30 feet high, or multistemmed mallee to 15 feet high. Annual rainfall 10 inches.

274935. 'Glauc'. Mallee, useful as shelter. Annual rainfall 10 inches.

274936. *EUCALYPTUS PLATYPUS* Hook.

Bushy tree to 15 feet high with foliage to ground. Annual rainfall 15 inches.

274937. *EUCALYPTUS STOATEI* C. A. Gard.

Bushy tree to 15 feet high. Useful as shelter. Annual rainfall 15 inches.

274938. *EUCALYPTUS UNCINATA* Turcz.

Mallee, useful as shelter. Annual rainfall 10 inches.

274939. *HAKEA MULTILINEATA* Meisn. Proteaceae.

Shrub to 8 feet high. Useful as shelter if planted in clumps on sandy soils.

274940. *MELALEUCA ARMILLARIS* (Soland.) J. E. Smith Myrtaceae.

Annual shrub or tree to 20 ft. high. Useful as shelter on sandy soils. Annual rainfall 15 inches.

274941. *MELALEUCA NESOPHILA* F. Muell.

Hardy, quick-growing shrub to 10 feet high, or tree to 30 feet high. Annual rainfall 15 inches.

274942. *MELALEUCA PUBESCENS* Schauer ex Walp.

Hardy, drought resistant, tree to 12 feet high. Tolerant of most soils and conditions. Annual rainfall 10 inches.

274943. *MELALEUCA WILSONII* F. Muell.

Bushy shrub to 8 feet high. Useful as shelter on sandy soils. Annual rainfall 15 inches.

274944. *TEMPLETONIA RETUSA* (Vent.) R. Br. Fabaceae.

Melbourne coralbush.

Bushy shrub to 8 feet high. Useful as shelter. Annual rainfall 15 inches.

## 274945 to 274957.

From Senegal. Seeds presented by the Centre de Recherches Agronomiques, Bambey. Received May 29, 1961.

274945. *CROTALARIA ASTRAGALINA* Hochst. ex A. Rich. Fabaceae.

274946. *CROTALARIA ATRORUBENS* Hochst. ex Benth.

274947. *CROTALARIA GLAUCOIDES* E. G. Baker.

274948. *CROTALARIA JUNCEA* L.

Sunn-hemp.

Originally from Guadeloupe.

274949. *CROTALARIA LANCEOLATA* E. Mey.

Originally from Guadeloupe.

274950. *CROTALARIA FERROTTETII* DC.

274951. *CROTALARIA RETUSA* L.

274952. *CROTALARIA SENEGALENSIS* Bacle

274953. *CROTALARIA VERRUCOSA* L.

Originally from Guadeloupe.

## 274945 to 274957—Continued

274954. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.  
'Agrestis'.

274955. SORGHUM HALEPENSE (L.) Pers. Poaceae. Johnsongrass.  
Originally from the United States.

274956. SORGHUM SUDANENSE (Piper) Stapf Sudangrass.  
Originally from the United States.

274957. SORGHUM BICOLOR (L.) Moench  
Originally from Mali.

274958. CITRUS (L.) Osbeck  $\times$  PONCIRUS TRIFOLIATA  
(L.) Raf. Rutaceae.

From Argentina. Estacion Experimental Agropecuaria, Concordia. Received May 29, 1961.

'Citrange Marrakesh'.

274959 to 274965. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From the Union of Soviet Socialist Republics. Tubers presented by the All-Union Institute of Plant Industry, Leningrad. Received May 29, 1961.

274959. 'Epron' ('Epicure'  $\times$  'Alma'). Early variety. Wart susceptible.

274960. 'Jugovostocznyj' ('Epicure'  $\times$  'Jubel'). Early variety. Wart resistant.

274961. 'Priekulskij Rannij' ('Cobbler'  $\times$  'Jubel'). Early variety. Wart resistant.

274962. 'Severnaja Rosa' ('Early Rose'  $\times$  'Juble'). Early variety. Wart resistant.

274963. 'Uljanovskij' ('Deodara'  $\times$  'Furstenkrone'). Early variety. Wart susceptible.

274964. 'Volzhanin' ('Epicure'  $\times$  'Katadhin'). Main crop variety. Wart susceptible.

274965. 'Vyrypaevskij' ('Lorch'  $\times$  'Jubel'). Main crop variety. Wart resistant.

## 274966 to 274999.

From sources indicated. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received May 31, 1961.

274966. ABIES sp. Pinaceae.

Col. No. 1072. Chandigarh, India. Handsome timber tree.

274967. ALTHAEA sp. Malvaceae.

Col. No. 1083. Seven miles above Pahlgam, India. Wild hollyhock.

274968. CLEMATIS sp. Ranunculaceae.

Col. No. 749. Dry, rocky canyon, Pakistan. Perennial, suffrutescent herb to three feet high.

274969. CLEMATIS sp.

Col. No. 750. Field and terraces ten miles below Gupis, Pakistan. Ornamental vine to 20 feet long.

## 274966 to 274999—Continued

274970. *CLEMATIS* sp.

Col. No. 1900. Rocky, mountain slope four miles east of Aremaya College, Ethiopia. Vine growing over low shrubs.

274971. *CLEMATIS* sp.

Col. No. 2018. Steep mountainside. Elevation 7,150 feet. Vine.

274972. *COTONEASTER MICROPHYLLA* Wall. ex Lindl. Malaceae.

Col. No. 1088. Two miles above Chandawari, India. Elevation 10,500 feet. Plant mat forming, to six inches high; berries bright red.

274973. *CUPRESSUS SEMPERVIRENS* var. *HORIZONTALIS* (Miller) Gordon Pinaceae.

Col. No. 165. Jardins de Ramsor, Iran.

274974. *CUPRESSUS SEMPERVIRENS* f. *STRICTA* (Ait.) Rehder

Col. No. 166. Jardins de Ramsor, Iran.

274975. *ERIOPHORUM* sp. Cyperaceae.

Col. No. 1269. Sixteen miles from Simla, towards Kalka, India. Ornamental sedge; heads pussy-willowlike.

274976. *ESCHSCHOLTZIA CALIFORNICA* Cham. Papaveraceae.

Common California-poppy.

Col. No. 164. Jardins de Ramsor, Iran.

274977. *GREWIA* sp. Tiliaceae.

Col. No. 1301. Twenty miles from Nahan, India. Tree to 30 feet high; fruit in fours, black.

274978. *HIBISCUS* sp. Malvaceae.

Col. No. 1815. Three miles northeast of Igatpuri, India. Plant 5.5 feet high.

274979. *HIBISCUS* sp.

Col. No. 1823. Near lake, Aremaya College, Ethiopia. Plant ornamental, to 7 feet high, much branched; leaves small; flowers yellow.

274980. *HIBISCUS* sp.

Col. No. 2097. Six miles east of Freda, Chercher Highlands, Ethiopia. Elevation 8,200 feet. Ornamental; flowers small, purple.

274981. *HYPERICUM* sp. Hypericaceae.

Col. No. 2019. Steep mountain slope, Ethiopia. Shrub to 10 feet high; leaves glossy; flowers yellow, showy.

274982. *ILEX DIPYRENA* Wall. Aquifoliaceae.

Himalaya holly.

Col. No. 1120. Moist woods 1.5 miles from Dalhousie, India. Ornamental tree to 30 feet high; leaf margins spiny.

274983. *IRIS ACUTILOBA* Meyer Iridaceae.

Col. No. 621. North side, 1,000 feet below Babusar Pass, Pakistan. Elevation 13,000 feet. Plant bulbous; leaves to 8 inches long, narrow.

274984. *IRIS KASHIMIRIANA* Baker

Kashmir iris.

Col. No. 1058. India. Plant to 2.5 feet high; leaves narrow.

274985. *IRIS MILESII* Baker ex Foster

Himalayan iris.

Col. No. 1225. Edge of fir-spruce forest, one mile above Mandali, India. Elevation 7,000 feet. Leaves to 3.5 feet long, two inches wide.



**274966 to 274999—Continued**

**274986.** *JUNIPERUS* sp. Pinaceae.

Col. No. 1087. Two miles above Chandawari, India. Elevation 10,500 feet. Plant prostrate, to 18 inches high, dense, ornamental.

**274987.** *KENNEDYA* sp. Fabaceae.

Col. No. 2022. Ethiopia. Scant foliage shrub; flowers blue, attractive.

**274988.** *KLEINIA* sp. Asteraceae.

Col. No. 1835. East side of college land, Aremaya, Ethiopia. Plant to 7 feet high, dense; leaves small, succulent; flowers sweet scented. Native to semidesert areas; used as hedge.

**274989.** *ONCOBA* sp. Loganiaceae.

Col. No. 1882. General market, Harar, Ethiopia. Small tree used as ornamental and hedge plant.

**274990.** *PRUNUS* sp. Amygdalaceae.

Col. No. 102. Behistun Mountains, Iran. Elevation 5,500 feet. Shrub to 6 feet high; leaves and fruits very small; stands pruning well.

**274991.** *PTEROCEPHALUS* sp. Dipascaceae.

Col. No. 1902. Rocky mountainside, 4 miles east of college, Aremaya, Ethiopia. Ornamental.

**274992.** *ROBINIA PSEUDOACACIA* L. Fabaceae.

**Common locust.**

Col. No. 220. Six miles west of Paghman, Afghanistan. Shade tree.

**274993.** *ROSA ABYSSINICA* R. Br. Rosaceae.

Col. No. 1840. Wild near lake, college, Aremaya, Ethiopia. Plant five stemmed; leaves small; flowers small, white.

**274994.** *ROSA* sp.

Col. No. 1068. Chandigarh, India. Canes slender, drooping, to five feet long.

**274995.** *SAMBUCUS EBULUS* L. Caprifoliaceae.

**Danewort.**

Col. No. 1049. Gulmarg, India. Elevation 8,000 feet. Plant 5 feet high, in dense thicket.

**274996.** *SETARIA* cf. *PLICATILIS* (Hochst.) Hack. Poaceae.

Col. No. 1982. In forest at edge of coffee plantation, six miles west of Jimma, Ethiopia. Ornamental plant to 12 feet high; leaves broad, ribbed.

**274997.** Undetermined.

Col. No. 155. In Iran, eight miles west of Iran-Afghanistan border. Plants in bunches on dry desert; leaves long, slender.

**274998.** Undetermined.

Col. No. 329. Desert, 16 miles west of Kandahar, Afghanistan. Plant bulbous; leaves slender, to 18 inches long.

**274999.** Undetermined.

Col. No. 681. Wild along paths, on terraces, Namal, Pakistan. Plant bulbous, to 2 feet high; leaves slender.

**275000 to 275002. PHASEOLUS VULGARIS L. Fabaceae.**

From British Guiana. Seeds presented by the United States Operations Mission, Georgetown. Received June 2, 1961.

Originally from northeast Thailand. Vigorous running snap beans, to 15 feet high in tropics.

**275000.** No. 1.

**275001.** No. 2.

**275002.** No. 3.

## 275003 to 275017.

From Bulgaria. Seeds presented by the Bulgarian Legation, Washington, D.C. Received June 2, 1961.

- 275003 to 275007. *BRASSICA OLERACEA* var. *CAPITATA* L. Brassicaceae.  
Cabbage.
275003. 'Bialo Likorishko'.  
275004. 'Gerveno Hako'.  
275005. 'Kose'.  
275006. 'Sino Srvsko'.  
275007. 'Sivo Lekonshko'.
275008. *CAPSICUM ANNUUM* L. Solanaceae. Pimento.  
'Biala Kapiya'.
275009. *CAPSICUM ANNUUM* L. Pimento.  
'Bialratund'.
275010. *CAPSICUM ANNUUM* L. Pimento.  
'Gorogled'.
275011. *CAPSICUM* sp.  
'Novoselska Kapiya'.
275012. *CAPSICUM ANNUUM* L. Pimento.  
'Plovdin Lum'.
275013. *CAPSICUM* sp.  
'Shumenski Rotund'.
- 275014 to 275017. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.
275014. 10 × 'Bizon'.  
275015. 'Komet' × 'Zaria'.  
275016. 'Rudzhars' × 'Zaria'.  
275017. 'Zaria' × 'Komet'.

## 275018 to 275028.

From Japan. Cuttings presented by Hideo Kubota, Tochigi Prefecture. Received June 5, 1961.

275018. *ACER SHIRASAWANUM* Koidz. Aceraceae.  
275019. *BETULA CORYLIFOLIA* Regel & Maxim. Betulaceae.  
275020. *BETULA GLOBISPICA* Shirai  
275021. *CLEMATIS APIIFOLIA* var. *BITERNATA* Makino Ranunculaceae.  
275022. *CLEMATIS MAXIMOWICZIANA* Franch. ex Savat.  
275023. *CLEMATIS STANS* Sieb. & Zucc.  
275024. *PRUNUS INCISA* var. *YAMADEI* (Makino) Ohwi Amygdalaceae.  
275025. *POTENTILLA FRUTICOSA* var. *LEUCANTHA* Makino Rosaceae.  
275026. *RHODODENDRON PULCHRUM* Sweet Ericaceae.  
275027. *RHODODENDRON SEMIBARBATUM* Maxim. Autumnleaf azalea.  
275028. *SPIRAEA JAPONICA* L. f. Rosaceae. Japanese spirea.  
'Albiflora'.

**275029 to 275034.**

From Japan. Seedlings collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 5, 1961.

**275029 to 275031. RHODODENDRON JAPONICUM (Gray) Schneid. Japanese azalea.**  
Ericaceae.

**275029.** Col. No. 917. Along the sea cliffs, Orahama, Tomioka, Ibaraki Prefecture. Flowers orange.

**275030.** Col. No. 920. On Mount Ootakine, Ibaraki Prefecture. Plant deciduous; flowers orange.

**275031.** Col. No. 922. Hebusu Mountain, Ibaraki Prefecture. Elevation 600 meters.

**275032 to 275034. RHODODENDRON OBTUSUM var. KAEMPFERI (Planch.) Wilson Torch azalea.**

**275032.** Col. No. 918. Along the sea cliffs, Orahama, Tomioka, Ibaraki Prefecture.

**275033.** Col. No. 919. Along sea cliffs, Orahama, Tomioka, Ibaraki Pref. Typical wild plant, except calyx is petaloid.

**275034.** Col. No. 921. On Ootakine, Ibaraki Pref. Elevation 1,100 meters. Plant with upright habit; flowers orange and salmon to rose purple.

**275035 to 275038.**

From Costa Rica. Plants presented by Charles Lankester, Cartago. Received June 5, 1961.

**275035. ARPOPHYLLUM SPICATUM Llave & Lex. Orchidaceae. Orchid.**

**275036. ODONTOGLOSSUM CHIRIQUENSE Reichb. f. Orchidaceae. Orchid.**

**275037. ODONTOGLOSSUM SCHLIEPERIANUM Reichb. f. Orchid.**  
'Xanthotica'.

**275038. STANHOPEA COSTARICENSIS Reichb. f. Orchidaceae.**

**275039. CITROPSIS MIRABILIS Swingle & Kellerman Rutaceae.**

From the Belgian Congo. Fruits presented by C. S. Stephanides, Leopoldville. Received June 6, 1961.

**275040 and 275041.**

From Japan. Roots and seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 5, 1961.

**275040. HEMEROCALLIS LONGITUBA Miq. Liliaceae.**

Col. No. 916. Along sea cliffs, Tomoka, Ibaraki Prefecture. Orange-flowered daylily in full bloom mid- to late May. Early flowering habit may be of value. (Roots).

**275041. QUERCUS MYRSINIFOLIA Blume Fagaceae.**

Col. No. 915. Izura, Ibaraki Prefecture. Plant evergreen; leaves small, ovate, glossy. (Seeds).

**275042 to 275052. SOLANUM TUBEROSUM L. Solanaceae.**

**Potato.**

From the Union of Soviet Socialist Republics. Tubers presented by the All-Union Institute of Plant Industry, Leningrad. Received June 7, 1961.

**275042. 'Borodjanskij' ('President Kruger' × 'Furstenkrone'). Early variety. Wart resistant.**



**275042 to 275052—Continued**

275043. 'Czetyrechсотка' ('Fruhмolle' × Seedling 15627). Kiev Region. Main crop variety. Wart resistant.
275044. 'Katjuscha' ('Jubel' × 'Maika'). Kiev Region. Late variety. Wart resistant.
275045. 'Karkazskij' (East Siberia).
275046. 'Ostrovskij' (Seedling No. 66 × 'Alma'). Main crop variety. Wart resistant.
275047. 'Rannij Poleskij' ('Cobbler' × 'Furstenkrone'). Early variety. Wart resistant.
275048. 'Sedov' ('Early Rose' × 'Katahdin'). Early variety. Wart susceptible.
275049. 'Severjanin' ('Early Rose No. 1830' × 'Katahdin'). Early variety. Wart susceptible.
275050. 'Sibirjak' (Seedling of unknown origin). Main crop variety. Wart susceptible.
275051. 'Tulunskij'. East Siberia.
275052. 'Volzhanin'. ('Epicure' × 'Katadhin'). Bashkir autonomous. Main crop variety. Wart susceptible.

**275053 to 275062.**

From Japan. Plants collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 2, 1961.

275053. *ARDISIA CRENULATA* Lodd. Myrsinaceae.  
Col. No. 911. Hanakawa-Kita-Ibaraki City, Ibaraki Prefecture. Small evergreen shrub; fruit red.
275054. *CAMELLIA JAPONICA* L. Theaceae. **Common camellia.**  
Col. No. 913. Izura, Kita-Ibaraki City, Ibaraki Prefecture. Typical species, representing the seaside type.
275055. *HYDRANGEA INVOLUCRATA* Sieb. Hydrangaceae.  
Col. No. 906. Small hill above Kisara village, Ibaraki Prefecture. Plant low growing, involucre large, purple.
275056. *ILEX CRENATA* Thunb. Aquifoliaceae. **Japanese holly.**  
Col. No. 904. Small hill Maetoku School, Kisara Village, Ibaraki Prefecture. Small evergreen holly.
275057. *LASTREA OLIGOPHLEBIA* (Baker) Copel. Polypodiaceae.  
Col. No. 912. Mount Hanazono, Kita-Ibaraki City, Ibaraki Prefecture. Elevation 800 meters. Plant small; leaves compound.
275058. *PITTOSPORUM TOBIRA* (Willd.) Ait. Pittosporaceae. **Tobira.**  
Col. No. 914. Izura, Kita-Ibaraki City, Ibaraki Prefecture. Evergreen shrub; flowers white, late May.
275059. *RHODODENDRON DEGRONIANUM* Carr. Ericaceae.  
Col. No. 910. Mount Hanazono, Ibaraki City, Ibaraki Prefecture. Elevation 800 meters. Evergreen shrub; flowers pink, early May.
- 275060 and 275061. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.) Wilson. **Torch azalea.**  
275060. Col. No. 908. Near seashore, edge of rice field, Kita-Ibaraki City, Ibaraki Prefecture. Deciduous shrub; flowers brick red, a late blooming type.
275061. Col. No. 903. Behind Maetoku School, Kisara Village, Ibaraki Prefecture.

**275053 to 275062—Continued**

- 275062.** *RHODODENDRON QUINQUEFOLIUM* Biss. & Moore      **Cook azalea.**  
Col. No. 909. Mount Hanazono, Ibaraki Prefecture. Elevation 800  
meters. Plant deciduous; flowers white.

**275063 to 275069. *MEDICAGO SATIVA* L. Fabaceae.      **Alfalfa.****

From Great Britain. Seeds presented by the Plant Breeding Institute, Cambridge, England. Received June 8, 1961.

All seeds from hand pollination in greenhouse, on uninfected plants.

- 275063.** 231.1.5.2.1  $\times$  L157/7142. Index V4a.  
**275064.** 231.1.5.2.3  $\times$  L157/7542. Index V4e.  
**275065.** 248.1.2.1  $\times$  L159/7630. Index V10.  
**275066.** 642.41.2.2.1  $\times$  L157/7241. Index V15a.  
**275067.** 642.41.2.2.2  $\times$  L157/7205. Index 15c.  
**275068.** 229.2.3.2  $\times$  (245.1.1.1.3.1.2  $\times$  L157/7841). Index V9aT.  
**275069.** 229.2.3.3  $\times$  (333.3.1.1.1  $\times$  L160/7911). Index V14aT.

**275070 to 275079.**

From Japan. Plants and cuttings collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 8, 1961.

- 275070.** *ARDISIA JAPONICA* (Thunb.) Blume      **Myrsinaceae.**

Col. No. 924. Akaidake, Taira, Ibaraki Prefecture. Elevation 605 meters. Evergreen ground cover.

- 275071.** *CAMELLIA JAPONICA* L.      **Theaceae.      Common camellia.**

Col. No. 923. Akaidake, Taira, Ibaraki Prefecture. Elevation 605 meters. Flowers single, red, late May.

- 275072.** *CITRUS RETICULATA* Blanco      **Rutaceae.      Mandarin orange.**

Col. No. 932. 'Tumida'. Hotel garden, foot of Mount Tsukuba, Ibaraki Prefecture. Small-fruited mandarin type, reported to be especially hardy.

- 275073.** *EUONYMUS FORTUNEI* (Turcz.) Hand.-Mazz.      **Celastraceae.**

Col. No. 928. Mount Tsukuba, Ibaraki Prefecture. Elevation 700 meters. Small-leaved evergreen.

- 275074.** *HOSTA RECTIFOLIA* Nakai      **Liliaceae.**

Col. No. 926. Akaidake, Taira, Ibaraki Prefecture. Elevation 550 meters. Herbaceous plant; leaves narrow, lanceolate.

- 275075.** *HOSTA* sp.

Col. No. 929. Top of Mount Tsukuba, Ibaraki Prefecture. Elevation 827 meters.

- 275076.** *HOSTA* sp.

Col. No. 930. On Mount Tsukuba, Ibaraki Prefecture. Elevation 450 meters.

- 275077.** *ILEX CRENATA* Thunb.      **Aquifoliaceae.      Japanese holly.**

Col. No. 927. Mount Tsukuba, Ibaraki Prefecture. Elevation 450 meters. Leaves narrow, small.

- 275078.** *PSEUDOSASA JAPONICA* (Sieb. & Zucc.) Makino      **Poaceae.**

Col. No. 931. 'Tsutsumiana'. Mito, Ibaraki Prefecture. Rare form with side opposite to bud swollen.

- 275079.** *SHORTIA SOLDANELLOIDES* (Sieb. & Zucc.) Makino      **Diapensiaceae.**

Col. No. 925. Mountains above Biobu valley, Taira City, Ibaraki Prefecture. Elevation 500 meters. Small ground cover with rotund leaves; flowers pink.

## 275080 to 275082.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 12, 1961.

275080. *HEDERA* sp. Araliaceae.

Col. No. 883. Top of Mount Kosho, Central Kyushu. Elevation 861 meters. Adult form growing on boxwood trees; leaves entire, simple.

275081 and 275082. *RHODODENDRON JAPONICUM* (Gray) Schneid.

Ericaceae.

Japanese azalea.

Dry hill, in full sun, Seidagawa Mountain, Kyushu. Plants to one meter high; flowers ranging from red to yellow.

275081. Col. No. 886. Seeds from red form.

275082. Col. No. 887. Seeds from yellow form.

## 275083 to 275107.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received June 12, 1961.

275083. *BOTHRIOCHLOA INSCULPTA* (Hochst.) A. Camus Poaceae. E.C. 982.

275084. *BRACHIARIA BRIZANTHA* (Hochst.) Stapf Poaceae.

Palisade signalgrass.

E.C. 14202.

275085. *BRACHIARIA DECUMBENS* Stapf

E.C. 2131.

275086. *BRACHIARIA MUTICA* (Forsk.) Stapf

E.C. 9715.

275087. *CHLORIS GAYANA* Kunth Poaceae.

Rhodesgrass.

I.W. 1590.

275088. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. Fabaceae.

Guar.

I.C. 40.

275089. *DESMODIUM TORTUOSUM* (Sw.) DC. Fabaceae.

E.C. 871.

275090. *DICHANTHIUM ANNULATUM* (Forsk.) Stapf Poaceae. Palwan.

I.W. 1591.

275091. *DOLICHOS BIFLORUS* L. Fabaceae

Twinflower dolichos.

I.C. 6762.

275092. *DOLICHOS LABLAB* L.

Hyacinth-bean.

'Pusa Green Bunch'.

275093. *ELYONURUS HIRSUTUS* Munro ex Benth. Poaceae.

I.W. 1492.

275094. *GLYCINE JAVANICA* L. Fabaceae.

E.C. 7058.

275095. *LATHYRUS OCHRUS* (L.) DC. Fabaceae.

E.C. 1014.

275096. *PANICUM ANTIDOTALE* Retz. Poaceae.

I.W. 1594.



## 275083 to 275107—Continued

275097. *PANICUM TURGIDUM* Forsk.

I.W. 1694.

275098. *PASPALUM DILATATUM* Poir. Poaceae.

Dallisgrass.

E.C. 929.

275099. *PASPALUM NOTATUM* Fluegge

Bahia grass.

E.C. 9497.

275100 to 275105. *CENCHRUS CILIARIS* L. Poaceae.

Buffelgrass.

275100. E.C. 2138.

275103. I.W. 1588.

275101. E.C. 13712.

275104. S. 1535.

275102. E.C. 15934.

275105. S. 7382.

275106. *PENNISETUM PEDICELLATUM* Trin.

E.C. 7066.

275107. *THEMEDA ANATHERA* (Nees) Hack. Poaceae.

I.C. 3654.

## 275108 to 275110.

From Colombia. Seeds presented by Coleccion Central Colombiana, Estacion Experimental de Papa, Ministerio de Agriculture, Bogota. Received Feb. 27, 1959. Numbered June 12, 1961.

275108. *SOLANUM CARIPENSE* Humb. & Bonpl. ex Dun. Solanaceae.

CCC.

275109. *SOLANUM JUGLANDIFOLIUM* Humb. & Bonpl.

CCC 1160.

275110. *SOLANUM PHUREJA* Juz. & Buk.

CCC 1. 'Soliman'.

## 275111 to 275123.

From the Netherlands. Seeds presented by the Institute of Agricultural Plant Breeding, Wageningen. Received March 3, 1959. Numbered June 12, 1961.

275111. *SOLANUM KURTZIANUM* Bitt. & Wittm. × *S. GONIOCALYX* Juz. & Buk. Solanaceae.WAC 644. Resistant to *Heterodera rostochiensis*.275112 to 275123. *SOLANUM ANDIGENUM* Juz. & Buk.

275112. WAC 238.

275118. WAC 401.

275113. WAC 294.

275119. WAC 436.

275114. WAC 306.

275120. WAC 736.

275115. WAC 312.

275121. WAC 764.

275116. WAC 350.

275122. WAC 766.

275117. WAC 396a.

275123. WAC 767.

## 275124 to 275155.

From Denmark. Seeds presented by Landbrugets Kartoffelfond, Forædlingsstationen, Vandel. Received May 15, 1959. Numbered June 12, 1961.

275124 to 275131. *SOLANUM ACAULE* Bitter Solanaceae.

275124. Petersen &amp; Hjerting 329 (Vandel 1956).

**275124 to 275155—Continued****275124 to 275131—Continued**

275125. P. & H. 344 (Vandel 1956).

275126. P. & H. 353b (Vandel 1957).

275127. P. & H. 358 (Vandel 1956).

275128. P. & H. 970 (Vandel 1956).

275129. P. & H. 1582 (Vandel 1957).

275130. Hjerting, Petersen & Rahn. 312 (Vandel 1956).

275131. P. & H. 1897 (Org. 1956).

**275132. SOLANUM ACAULE Bitter**

P. & H. 353a (Vandel 1957).

**275133. SOLANUM AEMULANS Bitter & Wittm.**

P. & H. 1898 (Vandel 1957).

**275134 to 275142. SOLANUM CHACOENSE Bitter**

275134. P. & H. 76 (Vandel 1955).

275135. P. & H. 84 (Vandel 1955).

275136. P. & H. 349 (Vandel 1958).

275137. P. & H. 1889 (Vandel 1957).

275138. H. P. & R. 56 (Org. 1956).

275139. H. P. & R. 297 (Org. 1956).

275140. H. P. & R. 356 (Org. 1956).

275141. H. P. & R. 357 (Org. 1956).

275142. H. P. & R. 370 (Org. 1956).

**275143 and 275144. SOLANUM FAMATINAE Bitt. & Wittm.**

275143. P. & H. 1893 (Org. 1956).

275144. P. & H. 1900a (Org. 1956).

**275145. SOLANUM GIGANTOPHYLLUM Bitter**

H. P. & R. 399 (Org. 1956).

**275146. SOLANUM INFUNDIBULBIFORME Phil.**

P. & H. 360 (Vandel 1956).

**275147 to 275149. SOLANUM MEGISTACROLOBUM Bitter**

275147. P. & H. 366 (Vandel 1957).

275148. Hjerting & Rahn 255 (Org. 1956).

275149. H. P. & R. 316 (Org. 1956).

**275150 and 275151. SOLANUM MICRODONTUM Bitter**

275150. P. & H. 348 (Vandel 1957).

275151. P. & H. 364 (Vandel 1957).

**275152. SOLANUM SANCTAE-ROSAE Hawkes**

P. & H. 328 (Vandel 1957).

**275153. SOLANUM SPARSIPILUM (Bitter) Juz. & Buk.**

P. & H. 1534 (Vandel 1956).

**275154. SOLANUM TARIJENSE Hawkes**

H. & R. 151 (Org. 1956).

**275155. SOLANUM VERNEI Bitt. & Wittm.**

'Ballsii'. P. & H. 351 (Vandel 1956).

**275156 to 275261.**

From Great Britain. Seeds and tubers presented by the University of Birmingham, Birmingham, England. Received August 1958 and April 1960. Numbered June 13, 1961.

**275156 to 275167. SOLANUM FENDLERI A. Gray Solanaceae.**

**275156 to 275161. From New Mexico.**

275156. No. 1156. 275159. No. 1160.

275157. No. 1157. 275160. No. 1172.

275158. No. 1158. 275161. No. 1174.

**275162 to 275167. From Arizona.**

275162. No. 1177. 275165. No. 1209.

275163. No. 1180. 275166. No. 1210.

275164. No. 1204. 275167. No. 1217.

**275168 to 275173. SOLANUM JAMESII Torr.**

275168. No. 1143. From Colorado.

275169. No. 1176. From New Mexico.

**275170 to 275173. From Arizona.**

275170. No. 1197. 275172. No. 1207.

275171. No. 1201. 275173. No. 1212.

**275174. SOLANUM FENDLERI A. Gray**

No. 1356. From Coahuila, Mexico.

**275175 to 275178. SOLANUM AGRIMONIFOLIUM Rydb.**

From Guatemala, as indicated.

275175. No. 1851. San Marcos.

275176. No. 1868. Quezaltenango.

275177. No. 1891. Totonicapan.

275178. No. 1892. Totonicapan.

**275179 to 275183. SOLANUM BRACHYCARPUM (Correll) Correll**

From Mexico, as indicated.

275179. No. 1547. Jalisco. 275182. No. 1655. Puebla.

275180. No. 1577. Michoacan. 275183. No. 1710. Oazaca.

275181. No. 1654. Puebla.

**275184 to 275200. SOLANUM BULBOCASTANUM Dun.**

**275184 to 275186. Distrito Federal, Mexico.**

275184. No. 1581.

275185. No. 1582.

275186. No. 1583.

275187. No. 1584. Michoacan, Mexico.

275188. No. 1585. Mexico.

275189. No. 1586. Mexico.

275190. No. 1587. Puebla, Mexico.

275191. No. 1588. Puebla, Mexico.

275192. No. 1589. Tlaxcala, Mexico.



**275156 to 275261—Continued****275184 to 275200—Continued**

275193 to 275196. Oaxaca, Mexico.

275193. No. 1590.

275195. No. 1592.

275194. No. 1591.

275196. No. 1593.

275197. No. 1594. Distrito Federal, Mexico.

275198. No. 1595. No source data.

275199. No. 1596. Mexico.

275200. No. 1796. Huehuetenango, Guatemala.

**275201 to 275205. SOLANUM CLARUM Correll**

From Guatemala, as indicated.

275201 to 275204. Totonicapan.

275201. No. 1827.

275203. No. 1839.

275202. No. 1833.

275204. No. 1884.

275205. No. 1909. Sacatepequez.

**275206 to 275211. SOLANUM DEMISSUM Lindl.**

From Mexico, unless otherwise noted.

275206. No. 1295. Chihuahua.

275207. No. 1296. Chihuahua.

275208. No. 1601.

275209. No. 1657. Hidalgo.

275210. No. 1608.

275211. No. 1782. Huehuetenango, Guatemala.

**275212 to 275216. SOLANUM EHRENBEGHII Rydb.**

From Mexico, as indicated.

275212 to 275214. Queretaro.

275212. No. 1427.

275213. No. 1428.

275214. No. 1429.

275215. No. 1492. Jalisco.

275216. No. 1421. Queretaro.

**275217 to 275223. SOLANUM MORELLIFORME Bitter & Muench.**

275217. No. 1507. From Michoacan, Mexico.

275218. No. 1613. From Mexico State, Mexico.

275219. No. 1644. From Vera Cruz, Mexico.

275220. No. 1648. From Vera Cruz, Mexico.

275221. No. 1731. From El Quiche, Guatemala.

275222. No. 1805. From Quezaltenango, Guatemala.

275223. No. 1809. From Quezaltenango, Guatemala.

**275224 to 275226. SOLANUM OXYCARPUM Schiede**

From Vera Cruz, Mexico.

275224. No. 1643.

275225. No. 1645.

275226. No. 1649.

**275156 to 275261—Continued**

**275227 to 275229. SOLANUM PAPITA Rydb.**

From Mexico, as indicated.

275227. No. 1482. Durango.

275228. No. 1486. Durango.

275229. No. 1488. Zacatecas.

**275230 to 275236. SOLANUM PINNATISECTUM Dun.**

From Mexico, as indicated.

275230. No. 1424. Queretaro.

275231. No. 1426. Queretaro.

275232. No. 1435. Guanajuato.

275233. No. 1455. Guanajuato.

275234 to 275236. Jalisco.

275234. No. 1456.

275235. No. 1457.

275236. No. 1505.

**275237 to 275239. SOLANUM POLYADENIUM Greenm.**

From Michoacan, Mexico.

275237. No. 1567.

275238. No. 1568.

275239. No. 1569.

**275240 and 275241. SOLANUM POLYTRICHON Rydb.**

From Mexico, as indicated.

275240. No. 1467. Zacatecas.

275241. No. 1669. Queretaro.

**275242 and 275243. SOLANUM SAMBUCINUM Rydb.**

From Mexico, as indicated.

275242. No. 1439. Guanajuato.

275243. No. 1442. Guanajuato.

**275244 to 275253. SOLANUM STOLONIFERUM Schlecht.**

From Mexico, as indicated.

275244. No. 1293. Chihuahua.

275245. No. 1388. Mexico State.

275246. No. 1392. Mexico State.

275247. No. 1403. Mexico State.

275248 to 275251. Michoacan.

275248. No. 1502.

275249. No. 1521.

275250. No. 1554.

275251. No. 1669.

275252. No. 1720. Oaxaca.

275253. No. 1652. Hidalgo.

**275156 to 275261—Continued**

275254 to 275261. *SOLANUM VERRUCOSUM* Schlecht.

275254 to 275257. From Michoacan, Mexico.

275254. No. 1513.

275255. No. 1527.

275256. No. 1528.

275257. No. 1532.

275258. No. 1546. Jalisco, Mexico.

275259. No. 1548. Jalisco, Mexico.

275260. No. 1658. Hidalgo, Mexico.

275261. No. 1724. Oaxaca, Mexico.

**275262 to 275268.**

From Canada. Seeds presented by Department of Science Service, Division of Botany and Plant Pathology, Ottawa, Ontario. Received May 17, 1960. Numbered June 13, 1961. From Arizona and New Mexico.

275262 to 275266. *SOLANUM JAMESII* Torr. Solanaceae.

275262. CSC 381 × 386.

275265. CSC 388 × 381.

275263. CSC 382 × 381.

275266. CSC 388 × 384.

275264. CSC 386 × 388.

275267. *SOLANUM BULBOCASTANUM* Dun. × *S. CARDIOPHYLLUM* Lindl.  
CSC 238 × 297.

275268. *SOLANUM CARDIOPHYLLUM* Lindl. × *S. BULBOCASTANUM* Dun.  
CSC 370 × 194.

**275269. *SOLANUM CHIQUIDENUM* Ochoa Solanaceae.**

From Peru. Seeds presented by the Programa Cooperativo de Experimentacion Agropecuaria, Programa de Papa, Lima. Received August 10, 1960. Numbered June 13, 1961.

Ochoa 1506.

**275270 to 275278.**

From Germany. Seeds presented by the Max Planch Institut, Koln-Vogelsang. Received Feb. 15, 1961. Numbered June 13, 1961.

275270. *SOLANUM* (hybrid). Solanaceae.

(*S. aracc-papa* Juz. × *S. raphanifolium* Card. & Hawkes hybrid).

EBS 1878.

275271. *SOLANUM BUKASOVII* Juz.

EBS 1900.

275272. *SOLANUM COELESTIPETALUM* Vargas

EBS 1891.

275273. *SOLANUM LIGNICAULE* Vargas

EBS 1884.

275274 and 275275. *SOLANUM PAMPASENSE* Hawkes

275274. EBS 1894.

275275. EBS 1895.



**275270 to 275278—Continued**

275276 and 275277. *SOLANUM SPARSIPILUM* (Bitter) Juz. & Buk.

275276. EBS 1801.

275277. EBS 1886.

275278. *SOLANUM SUBANDIGENUM* Hawkes

EBS 1790.

**275279 to 275287. *SACCHARUM* (hybrids). Poaceae Sugarcane.**

From Indonesia. Cuttings presented by the Balai Penjelidikan Perusahaan Gula, Pasuruan. Received June 14, 1961.

275279. POJ 3086.

275284. POJ 3139.

275280. POJ 3101.

275285. POJ 3140.

275281. POJ 3126.

275286. POJ 3141.

275282. POJ 3137.

275287. POJ 3142.

275283. POJ 3138.

**275288. *HIBISCUS SABDARIFFA* L. Malvaceae.**

**Roselle.**

From Ghana. Seeds presented by the Ministry of Agriculture, Accra. Received June 14, 1961.

From the University College Farm, Nungua, about 10 miles inland from Accra.

**275289 and 275290. *TRIFOLIUM REPENS* L. Fabaceae.**

Solanaceae.

**Whiteclover.**

From Denmark. Seeds presented by L. Doehnfeldt, Odense. Received June 14, 1961.

275289. 'Adefa II V'.

275290. 'Daeno II K'.

**275291. *LYCOPERSICON PIMPINELLIFOLIUM* (Jusl.) Mill.**

Solanaceae.

**Currant tomato.**

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, New York. Numbered June 15, 1961.

59-1 G4601. From the U.S. Field Station, Cheyenne, Wyoming. Plant prostrate, to 90 inches wide, 25 inches high; fruits red, globose, two-loculed, watery, 0.56 inches in diameter, 8 to 18 per cluster.

**275292. *MALUS SYLVESTRIS* Mill. Malaceae.**

From the Republic of South Africa. Cuttings presented by the Botanic Gardens, Pietermaritzburg, Natal. Received June 14, 1961.

'Wainwright'.

**275293 and 275294.**

From Germany. Plants presented by H. A. Hesse Baumschulen, Weener. Received May 2, 1960. Numbered June 14, 1961.

275293. *JUNIPERUS COMMUNIS* var. *SAXATILIS* Pall. Pinaceae.

'Nana'.

275294. *TAXUS BACCATA* L. Taxaceae.

**English yew.**

'Regent'. Type V.

**275295 to 275299.**

From Indonesia. Seeds presented by the Bogor Botanic Garden, Bogor. Received June 14, 1961.

275295. *EUONYMUS JAVANICUS* Blume Celastraceae.

275296. *LAGERSTROEMIA DUPERREANA* Pierre ex Gagnep. Lythraceae.

275297. *LAGERSTROEMIA SPECIOSA* (Muench.) Pers. **Queen crapemyrtle.**

275298. *LAGERSTROEMIA SUBCOSTATA* Koehne

275299. *LAGERSTROEMIA* sp.

**275300 to 275302.**

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus Botanicus Principalis Academiae Scientiarum, Moscow. Received June 14, 1961.

275300. *DICTAMNUS ANGUSTIFOLIUS* G. Don Rutaceae.

No. 716.

275301. *DICTAMNUS DASYCARPUS* Turcz.

No. 1060.

275302. *PTELEA TRIFOLIATA* L. Rutaceae.

**Hop-tree.**

No. 1785.

**275303 to 275382.**

From countries indicated. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 16, 1961.

275303. *AESCHYNOMENE AMERICANA* L. Fabaceae.

Col. No. 1416. India, originally from Australia.

275304. *AESCHYNOMENE INDICA* L.

Col. No. 1149. India. Plant to 3.5 feet high; leaves pinnately divided.

275305. *AGROPYRON* sp. Poaceae.

Col. No. 1090. Pakistan. Plants to 3 feet high.

275306. *ANDROPOGON* sp. Poaceae.

Col. No. 1767. Mountains one mile northwest of Igatpuri, India. Plant to 5 feet high, well grazed.

275307. *ANDROPOGON* sp.

Col. No. 1773. Above water supply lake, Igatpuri, India. Perennial to 7 feet high.

275308. *APLUDA* sp. Poaceae.

Col. No. 1723. India.

275309. *APLUDA* sp.

Col. No. 1740. Forest canyon 3 miles east of Mount Abu, India. Leaves long petioled.

275310. *APLUDA* sp.

Col. No. 1760. Streambank, Palghar, India. Plant to 7 feet high, woody at base.

275311. *ARISTIDA ADSCENSIONIS* L. Poaceae.

Col. No. 1331. India. Plant to 2 feet high.

## 275303 to 275382—Continued

275312. *ARTHAXON* sp. Poaceae.

Col. No. 1577. East of third tableland, Panchgani, India.

275313. *CANNABIS SATIVA* L. Moraceae.

Hemp.

Col. No. 1248. 'Bangaw Low'. Kulu bazaar, India.

275314. *CARTHAMUS* sp. Asteraceae.

Col. No. 405. Ditchbank, 5 miles west of Peshawar, Pakistan. Plants to 18 inches high, prickly.

275315. *CHLORIS DOLICHOSTACHYA* Lag.

Col. No. 1718. Rocky slope near Nikka Lake, Mount Abu, India. Plants to 4 feet high.

275316. *CLITORIA TERNATEA* L. Fabaceae.

Asian pigeonwings.

Col. No. 1409. India, originally from Australia.

275317. *CROTALARIA* sp. Fabaceae.

Col. No. 811. Streamside, Shandoon, Pakistan. Elevation 13,000 feet. Plants to 18 inches high.

275318. *CROTALARIA* sp.

Col. No. 1099. India. Shrubby, erect perennial to 3 feet high; flowers small, yellow.

275319. *CROTALARIA MEDICAGINEA* Lam.

Col. No. 1314. Alwar, India. Plant to 2.5 feet high.

275320. *CROTALARIA* cf. *FILIPES* Benth.

Col. No. 1768. Caprock, top of mountain, 1 mile northwest of Igatpuri, India. Plant small, subprostrate; branches to 6 inches long.

275321. *CROTALARIA* sp.

Col. No. 1780. Along railroad two miles south of Igatpuri, India. Erect annual, to 2 feet high; stems branching.

275322 and 275323. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. Fabaceae.

Guar.

275322. Col. No. 1379. Jodhpur, India.

275323. Col. No. 1380. Jodhpur, India.

275324. *CYMOPOGON* sp. Poaceae.

Col. No. 1260. Along Mandi-Simla route, India. Bunchgrass to 6 feet high.

275325. *DICHANTHIUM* sp. Poaceae.

Col. No. 1572. West slope, second tableland, Panchgani, India.

275326. *ELEUSINE COMPRESSA* (Forssk.) Aschers. & Schweinf. ex C. Christensen Poaceae.

Col. No. 1339. Thirty-five miles from Jodhpur, India. Plants to 1 foot high, stoloniferous.

275327. *ELYMUS* sp. Poaceae.

Col. No. 802. Pakistan. Bunchgrass.

275328. *EREMOPOGON* sp. Poaceae.

Col. No. 1595. India. Soil poor, gravelly. Plants to 1 foot high.

275329. *ERIANTHUS* sp. Poaceae.

Col. No. 1095. India. Bunchgrass to 4 feet high.



## 275303 to 275382—Continued

275330. *ERIANTHUS* sp.

Col. No. 1724. Mount Abu, India.

275331. *ERIANTHUS* sp.

Col. No. 1814. Streambank three miles northeast of Igatpuri, India. Plants to 2 feet high.

275332. *EULALIA* sp. Poaceae.

Col. No. 1721. Haystock, Mount Abu, India.

275333. *EULALIA* sp.

Col. No. 1728. West side Abu Mountains, India.

275334. *FAGOPYRUM TATARICUM* (L.) Gaertn. Polygonaceae.**Kangra buckwheat.**

Col. No. 570. Pakistan.

275335. *FESTUCA ELATIOR* L. Poaceae.**Meadow fescue.**

Col. No. 363. Ditchbank, 4 miles north of Ghazni, Afghanistan. Heavily grazed.

275336. *FESTUCA* sp.

Col. No. 382. Near top of pass, 64 miles west of turnoff, Bamian, Afghanistan. Perennial bunchgrass.

275337. *HETEROPOGON CONTORTUS* (L.) Beauv. ex Roem. & Schult. Poaceae.

Col. No. 1553. Three miles from Mahableshwar, road to Panchgani, India. Plant to 2.5 feet high.

275338. *HETEROPOGON* sp.

Col. No. 1571. Third tableland east of Panchgani, India. Plant to 2.5 feet; glumes hairy.

275339. *HIBISCUS CANNABINUS* L. Malvaceae.**Kenaf.**

Col. No. 508. 'Part-sun'. Pakistan.

275340 and 275341. *HORDEUM VULGARE* L. Poaceae.

275340. Col. No. 148. On plateau, 190 miles from Gurgan, Iran. Plants short.

275341. Col. No. 274. Afghanistan.

275342. *HYPARRHENIA* sp. Poaceae.

Col. No. 2012. Fourteen and one-half miles southwest of Jimma, Ethiopia. Plants to 10 feet high.

275343. *INDIGOFERA ENDECAPHYLLA* Jacq. Fabaceae.

Col. No. 1987. Ten miles west of Jimma, Ethiopia. Suffrutescent herb to 3 feet high, erect, branching; pods many.

275344. *ISCHAEMUM* sp. Poaceae.

Col. No. 1110. Wooded foothills, high rainfall area, 30 miles below Dalhousie, India. Small bunchgrass; spikes with ornamental glumes.

275345. *ISCHAEMUM* sp.

Col. No. 1146. India. Plants to 2 feet high; glumes ornamental; rachis joined.

275346. *MANISURIS FORFICULATA* C.E.C. Fischer Poaceae.

Col. No. 1560. Three and one-half miles from Mahableshwar, road to Panchgani, India. Annual grass to 6 inches high.

**275303 to 275382—Continued**

**275347.** *ISCHAEMUM* sp. Poaceae.

Col. No. 1598. In paddy between Khandela and Lonauli, India.

**275348.** *ISCHAEMUM* sp.

Col. No. 1774. Moist spot in dry streambed, 100 yards above water supply lake, Igatpuri, India. Plants to 5 feet high, branching, decumbent.

**275349.** *MANISURIS* sp. Poaceae.

Col. No. 1106. India. Plant to 8 feet high.

**275350.** *MEDICAGO COERULEA* Less. Fabaceae.

Col. No. 195. Twelve miles northwest of Kabul, Afghanistan.

**275351 and 275352.** *PENNISETUM SPICATUM* (L.) Willd. Poaceae.

Pearl millet.

**275351.** Col. No. 451. 'Bad-Gera'. Pakistan.

**275352.** Col. No. 2119. Grain market, Asmara, Ethiopia.

**275353.** *PENNISETUM* sp.

Col. No. 332. Dunes 40 miles west of Kandahar, Afghanistan.

**275354.** *PENNISETUM* sp.

Col. No. 1550. Thirty miles southeast of Poona, India. Plant to 4 feet high, rhizomatous.

**275355.** *PSORALEA* sp. Fabaceae.

Col. No. 1545. Outskirts of Poona, India. Plant erect, to 3 feet high, suffrutescent; leaves entire, to 4 inches across.

**275356 and 275357.** *SECALE CEREALE* L. Poaceae.

Rye.

**275356.** Col. No. 221. Wheat field 3 miles south of Paghman, Afghanistan.

**275357.** Col. No. 225. Paghman, Afghanistan.

**275358 to 275361.** *SESAMUM INDICUM* L. Pedaliaceae.

Sesame.

**275358.** Col. No. 1059. Edge of Kashmir Valley, 38 miles northwest of Srinagar, India.

**275359.** Col. No. 1097. Six miles from Pathankot, road to Dalhousie, India.

**275360.** Col. No. 1132. India.

**275361.** Col. No. 1396. Kota Experiment Garden, India.

**275362 and 275363.** *SESAMUM RADIATUM* Schum.

**275362.** Col. No. 1098. India.

**275363.** Col. No. 1536. Near Palam Airfield, New Delhi, India.

**275364.** *SORGHUM HALEPENSE* (L.) Pers. Poaceae.

Johnsongrass.

Col. No. 1091. India.

**275365.** *SORGHUM BICOLOR* (L.) Moench

Col. No. 419. 'Je-Gar'. Hangu bazaar, India.

**275366.** *SORGHUM* sp.

Col. No. 1206. Fourteen miles west of Mandi, Pakistan.

**275367.** *STIPA* sp. Poaceae.

Col. No. 157. Moorlands, 32 miles southeast of Herat, road to Kandahar, Afghanistan. Elevation 5,000 feet.

**275303 to 275382—Continued**

**275368 and 275369.** *STIPA SPLENDENS* Trin.

**275368.** Col. No. 796. Edge of field, 30 miles above Gupis, Pakistan. Bunchgrass to 6 feet high.

**275369.** Col. No. 822. Pakistan. Tall bunchgrass.

**275370.** *STIZOLOBIUM DEERINGIANUM* Bort. Fabaceae. **Deering velvetbean.** Col. No. 1423. India; originally from Australia.

**275371.** *STIZOLOBIUM* sp.

Col. No. 1420. India; originally from Australia.

**275372.** *TEPHROSIA PURPUREA* (L.) Pers. Fabaceae.

Col. No. 1333. India. Bushy perennial to 3 feet high; used as green manure and fodder.

**275373.** *THEMEDA* sp. Poaceae.

Col. No. 1541. Poona, India.

**275374.** *THEMEDA* sp.

Col. No. 1546. Ten miles southeast of Poona, India.

**275375.** *THEMEDA* sp.

Col. No. 1561. Three and one-half miles from Mahabaleshwar, road to Panchgani, India.

**275376.** *THEMEDA* sp.

Col. No. 1573. Third tableland east of Panchgani, India. Plants to 6 feet high, stemmy.

**275377.** *THEMEDA* sp.

Col. No. 1620. Ten miles west of Poona, India. Plants to 6 feet high.

**275378.** *THEMEDA* sp.

Col. No. 1722. Mount Abu, India.

**275379.** *THEMEDA* sp.

Col. No. 1776. Five hundred feet above water supply lake, Igatpuri, India. Plant erect, stemmy, to 5 feet high.

**275380.** *TRIGONELLA* sp. Fabaceae.

Col. No. 1315. India. Plant bushy, to 2.5 feet high.

**275381.** *VETIVERIA ZIZANIODES* (L.) Nash Poaceae.

Col. No. 1307. Flat plains roadside, 80 miles south of New Delhi, India.

**275382.** *VICIA ERVILIA* (L.) Willd. Fabaceae.

Col. No. 199. Paghman, 20 miles northwest of Kabul, Afghanistan.

**275383 and 275384.**

From the United States. Plants growing at the Louisiana State University Idlewild Farm, Baton Rouge, Louisiana. Numbered June 20, 1961.

**275383.** *PRUNUS* (hybrid). Amygdalaceae. **Common plum.**

No. L-61-102. Collected in Dr. J. Roussel's yard, near Simmesport. Possible hybrid resembling *P. munsoniana* in many plant characteristics; fruit almost round, 1.5 inch in diameter, resembles *P. salicina*; skin red with orange dots; flesh orange. Fruit excellent as regards pulp solidity and aroma.

**275384.** *PYRUS COMMUNIS* L. Malaceae.

No. L-61-101. Collected on Palmer family property, near Walker. Planted 1898, closely resembles 'Leconte', but not 'Leconte' of Bailey or Hedrick. Fruit pyriform, slightly necked, to 5 inches long; skin yellow when ripe; flesh soft; stone cells few; no aroma; quality fair; resembling 'Baldwin'.



**275385 to 275404.**

From Japan. Plant material collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 19, 1961.

**275385. ARDISIA JAPONICA (Thunb.) Blume Myrsinaceae.**

Col. No. 937. Oceanside above Ayukawa, Miyagi Prefecture. Evergreen ground cover; flowers white, fruit red.

**275386 and 275387. CAMELLIA JAPONICA L. Theaceae. Common camellia.**

**275386.** Col. No. 952. Niujama, a small town near Ayukawa, Miyagi Prefecture. Flowers single, red, blooming in January and February.

**275387.** Col. No. 953. Seacliff, Ayukawa, Miyagi Prefecture. Evergreen shrub dwarfed by environment.

**275388. CHLORANTHUS JAPONICUS Siebold Chloranthaceae.**

Col. No. 944. Kinka-zan Island, Miyagi Prefecture. Herb to 6 inches high; flowers white, in terminal spike.

**275389. CHLORANTHUS SERRATUS (Thunb.) Roem. & Schult.**

Col. No. 945. Kinka-zan Island, Miyagi Prefecture. Herb, flowers borne on a pair of racemes.

**275390. DRYOPTERIS SAXIFRAGA H. Ito Polypodiaceae.**

Col. No. 955. Kinka-zan, Miyagi Prefecture. Elevation 1,300 feet. Evergreen terrestrial fern.

**275391. EURYA JAPONICA Thunb. Theaceae.**

Col. No. 950. Evergreen forest, Kiyosaki, Ayukawa, Miyagi Prefecture. Evergreen shrub; leaves alternate, serrate; flowers small, white; fruit black.

**275392. HEMEROCALLIS LONGITUBA Miq. Liliaceae.**

Col. No. 936. Roadside between Ishonomate and Ayukawa, Miyagi Prefecture. An early-flowering orange-colored species with narrow petals.

**275393. HOSTA sp. Liliaceae.**

Col. No. 938. Forest preserve, ocean above Ayukawa, Miyagi Prefecture. Leaves lanceolate.

**275394. HOSTA sp.**

Col. No. 939. Forest preserve, ocean above Ayukawa, Miyagi Prefecture. Plant spiny; leaves broad, ovate.

**275395. ILEX INTEGRATA Thunb. Aquifoliaceae. Japanese holly.**

Col. No. 951. Evergreen forest, Kiyosaki, Ayukawa, Miyagi Prefecture. Evergreen holly; leaves dark green, finely toothed; fruit red.

**275396. LEUCOTHOE GRAYANA Maxim. Ericaceae.**

Col. No. 942. Low elevation, shady conifer forest, Kinka-zan, Miyagi Prefecture. Plant deciduous; leaves hairy, light green; stems reddish; flowers white, in racemes.

**275397 and 275398. PAEONIA JAPONICA Miyabe & Takeda Ranunculaceae.**

**275397.** Col. No. 946. Shady places Kinka-zan Island, Miyagi Prefecture. Herb; flowers small, pink.

**275398.** Col. No. 946. Shady places, Kinka-zan Island, Miyagi Prefecture. Herb; flowers small, white.

**275399. PITTOSPORUM TOBIRA (Willd.) Ait. Pittosporaceae. Tobira.**

Col. No. 949. Natural evergreen forest, Kiyosaki, Ayukawa, Miyagi Prefecture. Evergreen shrub; leaves round, flowers white.

**275385 to 275404—Continued**

**275400.** *PONCIRUS TRIFOLIATA* (L.) Raf. Rutaceae. **Hardy orange.**

Col. No. 954. Ayukawa, Miyagi Prefecture. Leaves trifoliate; stems angular, twisted; spines heavy.

**275401.** *RHODODENDRON JAPONICUM* (Gray) Schneid. Ericaceae. **Japanese azalea.**

Col. No. 941. Kinka-zan Island, Miyagi Prefecture. Elevation 650 feet. Plant deciduous; flowers orange colored.

**275402 and 275403.** *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.) Wilson **Torch azalea.**

**275402.** Col. No. 940. Kinka-zan Island, Miyagi Prefecture.

**275403.** Col. No. 947. Highest point of Kinka-zan, Miyagi Prefecture. Elevation 1,450 feet. Flowers brick red.

**275404.** *TUMION NUCIFERUM* (L.) Greene Taxaceae. **Japanese torreyia.**

Col. No. 948. Kinka-zan Island, Miyagi Prefecture. Trees to 50 feet high.

**275405.** *NOTOXYLINON AUSTRALE* (Muell.) Lewton Malvaceae.

From the Sudan. Seeds presented by the Cotton Breeding Section, Ministry of Agriculture, Khartoum. Received June 20, 1961.

**275406.** *BISERRULA PELECINUS* L. Fabaceae.

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas, Madrid. Received June 20, 1961.

Sandy acid soil from granitic decomposition, Finca 'Cuarto Carretero', ('Four Corners' Farm), Sierra de Gradarrama.

**275407 to 275409.**

From Israel. Seeds presented by the Ministry of Agriculture, Division of Plant Protection, Nve-Yaar. Received June 20, 1961.

**275407.** *TAMARIX GALLICA* L. Tamariaceae. **French tamarix.**

**275408.** *TAMARIX TETRAGYNA* Ehrenb.

**275409.** *TAMARIX* sp.

**275410 to 275412.** *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**

From the Netherlands. Seeds presented by the Institute of Horticultural Plant Breeding, Wageningen. Received June 20, 1961.

**275410.** No. 61038. 'Eminent Broei'. Forcing variety.

**275411.** No. 61039. 'Lange Groene Broei'. Forcing variety.

**275412.** No. 61040. 'Hollandse Lange Groene Vollegrond'. Garden variety.

**275413 to 275414.** *HIBISCUS SABDARIFFA* L. Malvaceae. **Roselle.**

From the Republic of Senegal. Seeds presented by the Centre de Recherches Agronomiques, Bambey. Received June 20, 1961.

**275413.** 'Blanc'.

**275414.** 'Rouge'.

**275415.** *GOSSYPIUM* sp. Malvaceae.

From Brazil. Seeds presented by the Instituto Agronomico, Rio de Janeiro. Received June 20, 1961.

'Crioulo'. Seed collected in a yard, Lagoa da Prata, Minas Gerais. Perennial, resistant to drought; poor yielder; susceptible to mites and pink boll borer.

**275416 to 275420.**

From Bolivia. Seeds presented by the Servicio Agrícola Inter-Americano, Ministerio de Agricultura, La Paz. Received June 20, 1961.

275416. *GOSSYPIUM* sp. Malvaceae.

Porvenir, Chocala, Province Sud Yungas, Dept. de La Paz. Elevation 1,400 meters. Fiber white; seeds loose.

275417. *GOSSYPIUM* sp.

Milluhaya, Province Nor Yungas, Dept. de La Paz. Elevation 1,400 meters. Fiber white; seeds loose.

275418. *GOSSYPIUM* sp.

Caranavi, Santa Fe, Province Nor Yungas, Dept. de La Paz. Elevation 600 meters. Fiber white; seeds loose.

275419. *GOSSYPIUM* sp.

Caranavi, Santa Fe, Province Nor Yungas, Dept. de La Paz. Elevation 600 meters. Fiber white; seeds clustered.

275420. *GOSSYPIUM* sp.

Caranavi, Santa Fe, Province Nor Yungas, Dept. de La Paz. Elevation 600 meters. Fiber yellow; seeds clustered.

**275421 to 275437. ORYZA SATIVA L. Poaceae.****Rice.**

From China. Seeds presented by the Agricultural Research Institute, Taipei, Taiwan. Received June 20, 1961.

275421. 'Bir-me-fen'.

275430. 'Taichung 178'.

275422. C 113.

275431. 'Taichung 179'.

275423. 'Chia-nung 242'.

275432. 'Taichung 181'.

275424. 'Chia-nung-yu 280'.

275433. 'Taichung 182'.

275425. 'Hsinchu 56'.

275434. 'Taichung 183'.

275426. 'Kaohsiung 68'.

275435. 'Taichung Line 48212'.

275427. 'Kaohsiung Line 122'.

275436. 'Taichung Line 47220'.

275428. 'Taichung 65'.

275437. 'Tsai-yuan-thon'.

275429. 'Taichung 176'.

**275438 to 275440. ORYZA SATIVA L. Poaceae.****Rice.**

From Thailand. Seeds presented by the Central Experiment Station, Bangkok. Received June 20, 1961.

275438. 'Leuang 28-1-8'. Sown June-July; flowers Oct. 27; harvested Nov. 27.

275439. 'Leuang Awn 23'. Sown June-July; flowers Nov. 11; harvested Dec. 11.

275440. 'Leuang Yai 34'. Sown June-July; flowers Nov. 1; harvested Dec. 1.

**275441 to 275446. ORYZA SATIVA L. Poaceae.****Rice.**

From Italy. Seeds presented by the Stazione Sperimentale di Riscicoltura, Vercelli. Received June 20, 1961.

275441. No. 5. 'Trionfo Fassone'.

275442. No. 24. 'Trionfo Fassone'.

275443. No. V. 266. 'Balilla' × 'R. Bersani'.

275444. No. V. 271. 'Rizzotto' × 'R. Bersani'.

275445. No. V. 638. (P. 6 × 'Blue Rose') × P. 6.

275446. No. V. 640. 'Agostano' × (P. 6 × 'Blue Rose').



**275447 to 275450. ORYZA SATIVA L. Poaceae.****Rice.**

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Estacion Experimental Agropecuaria, Concepcion del Uruguay. Received June 20, 1961.

275447. 'Chacarero'.

275449. 'Precosur'.

275448. 'Fortuna'.

275450. 'Victoria Tardio'.

**275451. ORYZA SATIVA L. Poaceae.****Rice.**

From Ceylon. Seeds presented by the Department of Agriculture, Peradeniya. Received June 20, 1961.

No. H-4. 'Paddy'.

**275452 and 275453. ORYZA SATIVA L. Poaceae.****Rice.**

From British Guiana. Seeds presented by the Plant Pathology Division, Department of Agriculture, Georgetown. Received June 20, 1961.

275452. No. 44.

275453. No. 47.

**275454. PRUNUS LANNESIANA var. SPECIOSA (Koidz.) Nakai Amygdalaceae.**

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 21, 1961.

Col. No. 943. Kinka-zan lighthouse, edge of sea cliff, Miyagi Prefecture. A rare species said to be restricted to Izu Peninsula. Widely cultivated for firewood.

**275455 to 275461.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 22, 1961.

275455. AGROPYRON CILIARE (Trin.) Franch. Poaceae.

No. 22626. 'Minus'. From Misima, Sizuoka Prefecture, Japan.

275456. AGROPYRON ENYSII T. Kirk

No. 20588. From Christchurch, New Zealand.

275457. AGROPYRON MAYEBARANUM Honda

No. 22627. From Misima, Sizuoka Prefecture, Japan.

275458. AGROPYRON PECTINIFORME Roem. &amp; Schult.

No. 24095. From Crimea, U.S.S.R.

275459. AGROPYRON SIBIRICUM (Willd.) Beauv.

**Siberian wheatgrass.**

No. 7669. From Ontario, Canada.

275460. AGROPYRON TENERUM Vasey

**Slender wheatgrass.**

No. 22749. From Greifswald, Germany.

275461. AGROPYRON TSUKUSHIENSE (Honda) Ohwi

No. 22628. Transiens. From Misima, Sizuoka, Prefecture, Japan.

**275462 to 275472.**

From the Republic of South Africa. Seeds presented by the National Botanic Gardens, Kirstenbosch, Newlands. Received June 22, 1961.

275462. LEUCADENDRON ARGENTEUM (L.) R. Br. Proteaceae.

275463. LEUCADENDRON sp.

## 275462 to 275472—Continued

275464. *LEUCOSPERMUM CATHERINAE* Compton Proteaceae.  
 275465. *NIVENIA SPICATA* R. Br. Proteaceae.  
 275466. *PARANOMUS REFLEXUS* (Phil. & Hutch.) Fourc. Proteaceae.  
 275467. *PROTEA AMPLEXICAULIS* (Salisb.) R. Br. Proteaceae.  
 275468. *PROTEA CYNAROIDES* L.  
 275469. *PROTEA GRANDIFLORA* Thunb.  
 275470. *SERRURIA ARTEMISIIFOLIA* Knight Proteaceae.  
 275471. *SERRURIA FLORIDA* (Thunb.) Knight  
 275472. *STRELITZIA PARVIFOLIA* Dryand. Musaceae.  
 'Juncea'.

## 275473 to 275489.

From the Republic of South Africa. Seeds presented by the Victoria Wild Flower Park, Victoria West. Received June 22, 1961.

275473. *ERICA ABIETINA* L. Ericaceae.  
 'Mealie Heath'.  
 275474. *ERICA BACCANS* L.  
 275475 and 275476. *ERICA BOWIEANA* Lodd.  
 275475. Flowers pink.  
 275476. Flowers white.  
 275477. *ERICA PEZIZA* Lodd.  
 White woolly.  
 275478. *ERICA REGIA* Bartl.  
 'Elim Heath'.  
 275479. *ERICA VERSICOLOR* Andr.  
 275480. *ERICA* sp.  
 275481. *GLADIOLUS GRANDIS* Thunb. Iridaceae.  
 'Bruin Afrikaner'.  
 275482. *GLADIOLUS TRISTIS* L.  
 275483. *TEPHROSIA GRANDIFLORA* (Ait.) Pers. Fabaceae.  
 275484. *WATSONIA ALETROIDES* Ker-Gawl. Iridaceae.  
 Flowers pink.  
 275485. *WATSONIA MARGINATA* (Thunb.) Ker.  
 Plant tall; flowers bell shape, mauve, pink.  
 275486 and 275487. *WATSONIA PYRAMIDATA* (Andrews) Klatt.  
 275486. No. 1.  
 275487. No. 2. 'Rosea'. Spikes twisted; flower rose pink.  
 275488. *WATSONIA VERSFELDIAE* Mathews & L. Bolus  
 275489. *WATSONIA* sp.  
 Flowers pure white.

**275490 to 275493.**

From the Republic of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 23, 1961.

**275490.** *DIMORPHOTHECA PLUVIALIS* (L.) Moench Asteraceae.

Col. No. 18644. Pakhuis, Clanwilliam District, Cape Province. Low spreading annual growing in wild; flower rays white, disk purple.

**275491.** *DIMORPHOTHECA SINUATA* DC. **Blue-eyed cape-marigold.**

Col. No. 18612. National Botanic Gardens, Pretoria. Cultivated annual.

**275492.** *OSTEOSPERMUM MURICATUM* E. Mey. Asteraceae.

Col. No. 18613. Pretoria. Wild perennial roadside weed; flowers in small heads, rays yellow.

**275493.** *OSTEOSPERMUM SCARIOSUM* DC.

Col. No. 18614. Pretoria. Wild erect, branching biennial or perennial, to three dm. high; crown small.

**275494 to 275496.**

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 23, 1961.

**275494.** *DAMNACANTHUS INDICUS* Gaertn. f. Rubiaceae.

Col. No. 935. Shady, evergreen forest, Kashirma Shrine, Ibaraki Prefecture. Small, spiny, evergreen shrub; flowers white, tubular; fruit red, usually paired.

**275495.** *ELAEAGNUS GLABRA* Thunb. Elaeagnaceae.

Col. No. 933. Evergreen forest, Mount Tsukuba, Ibaraki Prefecture. Elevation 500 meters. Evergreen vine or scandant shrub; fruit fleshy, orange colored.

**275496.** *FATSIÀ JAPONICA* (Thunb.) Descaisne & Planch. Araliaceae.

Col. No. 934. Roadside, Taira City, Ibaraki Prefecture. Evergreen shrub; leaves deeply cleft. Seeds from northern limit.

**275497 to 275500. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From Korea. Seeds presented by the Agricultural Experiment Station, Suwon. Received June 23, 1961.

**275497.** 'Chungju'. Erect type.

**275498.** 'Jinju'. Runner type.

**275499.** 'Sasa'. Runner type.

**275500.** 'Taeduk'. Erect type.

**275501 to 275536.**

From Japan. Plant material collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received June 26, 1961.

**275501.** *ALLIUM INUTILE* Makino Liliaceae.

Col. No. 968. In sand, along rocky seacoast, Kesennouma City, Miyagi Prefecture. Plants small; flowers purple, on stalks about 10 inches high.

**275502.** *ARDISIA JAPONICA* (Thunb.) Blume Myrsinaceae.

Col. No. 958. Tsubakijima, a small island near Shizukawa, Miyagi Prefecture. Evergreen ground cover under small, shrubby camellias.



## 275501 to 275536—Continued

275503 to 275518. *CAMELLIA JAPONICA* L. Theaceae. Common camellia.

275503. Col. No. 956. Tsubakijima, a small island near Shizukawa, Miyagi Prefecture. Flowers February.

275504. Col. No. 962. In shaded Areshima forest, a small island near Shizukawa City, Miyagi Prefecture. Most plant associates are deciduous.

275505. Col. No. 963. In protection of Areshima forest, a small island near Shizukawa City, Miyagi Prefecture.

275506. Col. No. 969. Roadside north of Kesennouma City, Iwate Prefecture. Cuttings from small tree.

275507. Col. No. 970. Roadside between Kesennouma and Rikuzen-Takada, Iwate Prefecture.

275508. Col. No. 971. Rikuzen-Takada, Iwate Prefecture.

275509 to 275513. Col. No. 975. In dense shade, Cape Funakoshi, near Miyako, Iwate Prefecture.

275509. A. 275512. D.

275510. B. 275513. E.

275511. C.

275514 to 275517. Col. No. 976. Inland at Cape Funakoshi, near Miyako, Iwate Prefecture. Heavy flowering in full sun; flowers single, red, in May.

275514. A. 275516. C.

275515. B. 275517. D.

275518. Col. No. 981. Raga, a small coastal town near Tanohatamura, Iwate Prefecture. Flowers in mid-May.

275519. *CEPHALOTAXUS HARRINGTONIA* (Forbes) K. Koch Taxaceae.

Col. No. 988. 'Nana'. Foot of Mount Hayachine, Iwate Prefecture. Elevation 2,950 feet. A dwarf form of coniferous evergreen.

275520. *CITRUS JUNOS* Sieb. Rutaceae.

Col. No. 966. Farmyard hedgerow near Shizukawa City, Miyagi Prefecture. Plant dense, twiggly, of upright habit.

275521. *DRYOPTERIS* sp. Polypodiaceae.

Col. No. 985. Limestone soil, in moist forest, Akka, Iwate Prefecture. Fern, possible evergreen; fronds about 18 inches long.

275522 and 275523. *HEMEROCALLIS MIDDENDORFFII* var. *ESCULENTA* (Koidz.) Ohwi Liliaceae.

275522. Col. No. 967. Moist banks above ricefields, near Kesennoima, Miyagi Prefecture. Orange daylily with campanulate, short flowers.

275523. Col. No. 987. Slopes of Cape, near Otsuchi, Iwate Prefecture. Flowers orange yellow.

275524. *HEMEROCALLIS* sp.

Col. No. 979. Sandy seacoast hillside near Shimanokoshi, Iwate Prefecture. Flowers pale yellow.

275525. *HEMEROCALLIS* sp.

Col. No. 980. Sandy hillside overlooking ocean, Shimanokoshi, Iwate Prefecture. Small daylily; flowers tubular and distinct, orange color.

## 275501 to 275536—Continued

275526. *LILIUM AURATUM* Lindl. Liliaceae.

Goldband lily.

Col. No. 960. Heavy soil on Tsubakijima, a small island near Shizukawa City, Miyagi Prefecture. Flowers white, with yellow markings.

275527 and 275528. *LILIUM MACULATUM* Thunb.

275527. Col. No. 961. On coastal rocks, Tsubakijima, a small island near Shizukawa City, Miyagi Prefecture. Flowers orange.

275528. Col. No. 986. On rocky slopes of Sangan Island, Iwate Prefecture. Plant small; flowers orange spotted.

275529. *MACHILUS THUNBERGII* Sieb. & Zucc. Lauraceae.

Col. No. 957. Tsubakijima, a small island near Shizukawa, Miyagi Prefecture. Evergreen tree to 40 feet high; leaves narrow.

275530. *OPHIOPOGON JAPONICUS* (L.f.) Ker. Liliaceae.

Japanese snakeboard

Col. No. 959. Shady forest, Tsubakijima, a small island near Shizukawa City, Miyagi Prefecture. Grasslike groundcover; leaves about 6 inches long.

275531. *PONCIRUS TRIFOLIATA* (L.) Raf. Rutaceae.

Hardy orange.

Col. No. 965. Farmyard near Shizukawa, Miyagi Prefecture. Leaves trifoliate; spines heavy. This is about as far north as it grows on the Pacific side of Japan.

275532. *RHODODENDRON JAPONICUM* (Gray) Schneid. Ericaceae.

Japanese azalea.

Col. No. 974. Top of mountain near Goyo Peak, Kamaishi, Iwate Prefecture. Elevation 3,900 feet. Flowers orange red, mid-June.

275533 to 275535. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.) Wilson

Torch azalea.

275533. Col. No. 973. Top of mountain near Goyo Peak, Kamaishi, Iwate Prefecture. Elevation 3,900 feet. Flowers small, dark red with heavy blotch, in bloom mid-June.

275534. Col. No. 978. Foot of Mount Hayachine, Iwate Prefecture. Elevation 2,950 feet. Leaves hairy; flowers early June.

275535. Col. No. 984. Along limestone cliffs, Akka, Iwate Prefecture. Elevation 980 feet. Flowers red.

275536. *VITIS COIGNETIAE* Pulliat ex Planch. Vitaceae. Gloryvine grape.

Col. No. 983. Along limestone cliffs near Akka, Iwate Prefecture. Elevation 980 feet. Ornamental vine; leaves large, usually three lobed, turning reddish in autumn.

275537. *BOUGAINVILLEA SPECTABILIS* Willd. Nyctaginaceae.

Great bougainvillea.

From Australia. Plants presented by the Botanic Gardens, Brisbane, Queensland. Received June 27, 1961.

'Thomasii'.

275538 to 275545. *ORYZA SATIVA* L. Poaceae.

Rice.

From Italy. Seeds presented by the Food and Agriculture Organization of the United Nations, Rome. Received June 27, 1961.

275538. F.A.O. No. 9352. 'Piece 56'.

275539. F.A.O. No. 9353. 'Ali Combo'.

275540. F.A.O. No. 9354. 'Makalioka No. 34'.

**275538 to 275545—Continued**

275541. F.A.O. No. 9355. 'Makalioka No. 823'.  
275542. F.A.O. No. 9356. 'Vany Lava No. 1302'.  
275543. F.A.O. No. 9357. 'Vany Lava No. 1303'.  
275544. F.A.O. No. 9358. 'Vany Lava Marovoay 47'.  
275545. F.A.O. No. 9359. 'Vany Lava 16'.

**275546 to 275549.**

From the Republic of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 27, 1961.

**275546. IXIA sp. Iridaceae.**

Col. No. 18650. Sandstone rocks, Lakenburg, Calvinia District, Cape Province. Herb with showy flower spike.

**275547. RESTIO GIGANTEUS N.E. Br. Restionaceae.**

Col. No. 18873. Moist mountain slope, Garcia Pass, Riversdale District, Cape Province. Plant to 1.5 meters high.

**275548. (Undetermined.)**

Col. No. 18709. Foot of Chapman's Peak, Cape Point road, Cape Province. Diffusely spreading annual; flowers large, rays yellow.

**275549. (Undetermined.)**

Col. No. 18756. Twenty km. northeast of Worcester, Cape Province. Elevation 765 meters. Perennial to 30 cm. high; leaves deltoid, margin reddish brown; flowers white.

**275550 to 275563.**

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered June 27, 1961.

**275550. AGAVE LECHEGUILLA Torr. Amaryllidaceae.**

Col. No. 5185. Between Ciudad Victoria and Jaumave, Tamaulipas. Plant acaulescent; leaves to 40 cm. long, yellow green; inflorescence to 3.5 meters high.

**275551. AGAVE MESCAL Koch**

Col. No. 51151. 'Maguey Bruto'. Michoacan, 1.5 meters south of Tzintzuntzan, road to Patzcuaro. Plant acaulescent; leaves to 1.5 meters long, 30 cm. wide, blue green, red margined in young plants; inflorescence to 5 meters high.

**275552. AGAVE NELSONII Trelease**

Col. No. 11166. San Fernando, Baja California. Collected 1951.

**275553. AGAVE SHAWII Engelm.**

Col. No. 11184. Socorro, Baja California. Collected 1951.

**275554. AGAVE SOBRIA T.S. Brandege**

Col. No. 11882. Comondu, Baja California. Collected 1952.

**275555 to 275558. AGAVE VILMORINIANA Berger**

275555. Col. No. 16611. Rio Yaqui, 44 km. northwest of Shauaripa Sonora. Collected 1957.

275556. Col. No. 16613. 'Amole'. Volcanic soil, between Bacanora and Gustara, Sonora. Collected 1957.



## 275550 to 275563—Continued

## 275555 to 275558—Continued

275557. Col. No. 16623. 'Amole'. Twenty-five km. south of Bacanora, Sonora. Elevation 765 meters. Collected 1957.

275558. Col. No. 16552. Volcanic cliffs, Rio Mayo near San Bernardo, Sonora. Plant a single rosette; leaves pliant, unarmed. Collected 1957.

## 275559. AGAVE YAQUIANA Trel.

Col. No. 17747. Bahai San Carlos. Collected 1959.

## 275560. AGAVE sp.

Col. No. 11598. Barbara Aqua Blanco, Sonora. Collected 1952.

## 275561. AGAVE sp.

Col. No. 16603. 'Ojahui'. Sierra de Matape, Sonora. Collected 1957.

## 275562. MANFREDIA sp. Amaryllidaceae.

Col. No. 5127. Hills east of Ixtapaluca. Acaulescent herb; leaves radial, linear; inflorescence a scape to 1.5 meters high.

## 275563. MANFREDIA sp.

Col. No. 51158. 'Magueycilla'. Roadside between Jalapa and Ciudad Veracruz. Stem to one meter; leaves yellow-green, 1.8 meters long; inflorescence to five meters high.

## 275564 to 275624.

From the Republic of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 27, 1961.

## 275564. ARISTIDA AMABILIS Schweickerdt Poaceae.

Col. No. 19210. Kalihari sand, Witsands, Hay District, Cape Province. Coarse, caney, xerophyte growing only on, and capturing, dunes.

## 275565. ARISTIDA NAMAQUENSIS (Nees) Trin. &amp; Rupr.

Col. No. 19211. Kalihari sand, southeast end of Langeberg Mountain, Hay District, C.P. Coarse caney perennial growing on dunes and sandy bottomland.

## 275566. ARISTIDA UNIPLUMIS Roem. &amp; Schult.

Col. No. 19201. Kalihari sand, 20 miles southeast of Olifantshoek, Postmasburg District, C.P.

## 275567. ASPARAGUS LARICINUS Burchell Convallariaceae.

Col. No. 19197. Red Kalihari sand, 20 miles northwest of Olifantshoek, Kuruman District, C.P. Elevation 3,800 feet. Erect shrub to 6 feet high.

## 275568. ASPARAGUS sp.

Col. No. 19213. Kalihari sand, 26 miles south of Olifantshoek, Hay District, Cape Province. Low perennial.

## 275569. BOSCHIA ALBITRUNCATA (Burch) Gilg. &amp; Bened. Capparidaceae.

Col. No. 19200. Kalihari sand, 12 miles southwest of Olifantshoek, Kuruman District, C.P. Shrub or spreading tree, much browsed by cattle.

## 275570. CUCUMIS AFRICANUS L. f. Cucurbitaceae.

Col. No. 968. Among boulders, on dolomitic soil, 26 miles north of Modderfontien, Prieska District, C.P. Sprawling herb; flowers yellow.

## 275564 to 275624—Continued

275571 and 275572. *CUCUMIS HOOKERI* Naud.

275571. Col. No. 967. Disturbed soil, along road, 26 miles north of Modderfontien, Prieska District, C.P. Sprawling herb; flowers yellow; mature fruits covered with stiff spines.

275572. Col. No. 19191. Between Deben and Dingle, Kuruman District, C.P. Elevation 3,500 ft. Annual ground vine; fruits prickly, edible, 9 striate.

275573. *CYAMOPSIS* sp. Fabaceae.

Col. No. 19215. Kalihari sand, 38 miles northwest of Olifantshoek, Postmasburg District, C.P. Annual, procumbent herb.

275574. *OLEA AFRICANA* Mill. Oleaceae.

Col. No. 19185. Dolomitic limestone, Blikfontein, Barkly West District, C.P. Elevation 4,000 ft. Round-topped, spreading tree, with one to several trunks; foliage dense.

275575 and 275576. *SESAMUM CAPENSE* Burm. f. Pedaliaceae.

275575. Col. No. 982. Along stream in coarse sandy soil, 16 miles north of Swartkop Post Office, Verneuk Pan, Kenhardt District, C.P. Erect desert annual to 2 feet high; flowers lavender.

275576. Col. No. 19209. Kalihari Sand near Witsands Hay District, Cape Province. Turgescient summer annual; stems slender, to 6 feet high.

275577. *TETRAGONIA ARBUSCULA* Fenzl ex Harvey & Sond. Aizoaceae.

Col. No. 19208. Kalihari sands, 26 miles south of Olifantshoek, Hay District, C.P. Bushy, herbaceous perennial to three feet high; branchlets succulent. A good sheep forage plant.

275578. *AMMOCHARIS CORANICA* Herb. Amaryllidaceae.

Col. No. 19205. Kalihari sand, 40 miles southwest of Olifantshoek, Postmasburg District, C.P. Leaves large, dark green.

275579. *ANAPALINA* sp. Iridaceae.

Col. No. 952. Rocky crevice near Storm River bridge, between Knysna and Humansdorp, Humansdorp District, C.P. Bulbous perennial; flowers brilliant red.

275580. *ARISTEA* sp. Iridaceae.

Col. No. 19125. Recently burned, moist mountain slope, Outeniquas Pass, George District, C.P. Elevation 2,000 feet. Plant rosette; leaves few; flowers spikes to 5 feet high.

275581. *BERZELIA INTERMEDIA* Schlecht. Bruniaceae.

Col. No. 18778. Fairy Glenn, 8 miles northeast of Worcester, C.P. Perennial to 6 feet high.

275582. *BERZELIA* sp.

Col. No. 18687. Sandy bottomland between Malmesbury and Darling, C.P. Plant to 3 feet high, base branching; stems slender; rachis with large pink glands; flowers white.

275583. *BERZELIA* sp.

Col. No. 19128. Outeniquas Pass, George District, Cape Province. Dense Bushy perennial; flowers in crown, dense, white.

275584. *BOBARTIA GLADIATA* Ker-Gawl. Iridaceae.

Col. No. 19031. Kleinfontein, Clanwilliam District, C.P. Elevation 3,000 feet. Bulbous perennial; stems long, slender; flowers yellow.

## 275564 to 275624—Continued

275585. *BROMUS* sp. Poaceae.

Col. No. 990. Near Cathedral Peak Forest Station, Bergville District, Natal. Elevation 8,000 feet. Perennial; leaves large, tender; culms to 4.6 feet high.

275586. *BRUNIA NODIFLORA* Linn. Bruniaceae.

Col. No. 18800. Near sea, Kleinmond, Caledon District, C.P. Plant upright, green, to 6.5 feet high.

275587. *BULBINE ABYSSINICA* A. Rich. Liliaceae.

Col. No. 18898. Karoo plain vegetation, 21 miles west of Cookhouse, Somerset East District, C.P. Tufted perennial to 14 inches high; roots and leaves succulent; flowers yellow; filaments fuzzy.

275588. *BULBINELLA ROBUSTA* Kunth Liliaceae.

Col. No. 18657. 'Aurea'. Silty bottomland, Nieuwoudtville. Winter-spring bulbous ornamental; flowers yellow.

275589. *CLIVIA NOBILIS* Lindl. Amaryllidaceae.

Col. No. 18738. Grahamstown, Eastern Cape Province. Plant bulbous.

275590. *COMMIPHORA* sp. Balsamaceae.

Col. No. 19168A. 'Corkwood'. Transvaal. Tree small.

275591. *CROTON GRATISSIMUS* Burch. Euphorbiaceae.

Col. No. 19194. Sandstone area, 18 miles northwest of Olifantshoek, Kuruman District, C.P. Elevation 3,800 feet. Spreading shrub; leaves bicolor, handsome.

275592. *DANTHONIA GLAUCA* Nees Poaceae.

Col. No. 19203. Kalihari sand, 38 miles southwest of Olifantshoek, Postmasburg District, Cape Province. Coarse, bushy xerophytic perennial; well grazed.

275593. *DROSANTHERUM SPECIOSUM* Schwantes Aizoaceae.

Col. No. 18816. Veld Reserve, Worcester, C.P. Elevation 2,000 feet. Flowers bright orange, brilliant.

275594. *EREMIA TOTTA* D. Don Ericaceae.

Col. No. 18788. Sandy valley, 8 miles southeast of Worcester, Brand Vlei, C.P. Bush small, dense.

275595. *ERICA CERINTHOIDES* Linn. Ericaceae.

Col. No. 18806. Dry, rocky, non-acidic soil, Eseljacht Pass, Caledon District, C.P. Elevation 10,000 feet. Attractive low bushlet; stems slender; flowers bright pink, pubescent.

275596. *EUCLEA* sp. Diospyraceae.

Col. No. 18641. Pakhuis Mountain, Clanwilliam District, C.P. Shrub to 5 feet high; foliage dense, green, attractive.

275597. *GLADIOLUS* sp. Iridaceae.

Col. No. 18658. Nieuwoudtville, C.P. Flowers reportedly white with red splotches.

275598. *GLADIOLUS* sp.

Col. No. 18815. Sandy slope, 20 miles west of Worcester, C.P. Elevation 2,400 feet. Plant small, cormous.

275599. *GLADIOLUS* sp.

Col. No. 18960. Maqui vegetation, Prince Alfred's Pass, Uniondale District, C.P. Elevation 2,000 feet. Plant cormous.



## 275564 to 275624—Continued

275600. *HELICHRYSUM* sp. Asteraceae.

Col. No. 18863. Seaward limestone slope, Agulhas Point, Bredasdorp District, C.P. Dense, gray, perennial to 16 inches high with crown of whitish straw flowers.

275601 and 275602. *HETEROLEPIS DECIPIENS* Cass. Asteraceae.

275601. Col. No. 18739. Karoo Gardens, Worcester, Cape Province. Annual.

275602. Col. No. 18776. Karoo Gardens, Worcester, C.P. Perennial; flowers large, showy.

275603. *HYPOCALYPTUS* sp. Fabaceae.

Col. No. 19136. Rocky limestone canyon, Sevenweekspoort, Ladysmith District, C.P. Slender shrub.

275604. *LESSERTIA MACROSTACHYA* DC. Fabaceae.

Col. No. 18651. Silty alluvium, Lakenberg, Calvinia District, C.P. Multistemmed perennial to 20 inches high; pods reddish brown. Used as ornamental and for sheep forage.

275605. *LEUCADENDRON AURANTIACUM* Buek. Proteaceae.

Col. No. 19104. Zwartzberg Pass, Prince Albert District, C.P. Elevation 5,000 feet. Ornamental shrub to 5 feet high; foliage grayish; "cones" ovoid, large.

275606. *LEUCADENDRON PLUMOSUM* R. Br.

Col. No. 19067. Sandy soil, foot of DuToits Kloof, Worcester, C.P. Elevation 1,000 feet. Attractive shrub to 6.5 feet high; "cones" large, showy, bicolored.

275607. *LEUCOSPERMUM NUTANS* R. Br. Proteaceae.

Col. No. 18803. Coarse sandy soil, Caledon District, C.P. Showy shrub to 6.5 feet high, spreading; flowers various colored, prolific.

275608. *OSTEOSPERMUM CLANDESTINUM* (Less.) T. Norl. Asteraceae.

Col. No. 18645. Pakhuis, Clanwilliam District, C.P. Erect annual to 16 inches high; crown spreading.

275609. *PARANOMUS* sp. Proteaceae.

Col. No. 19058. Rocky mountain slope above Napier, Bredasdorp District, C.P. Elevation 700 feet. Low, erect, herbaceous perennial. A gray appearing ornamental.

275610. *PENTASCHISTIS* sp. Poaceae.

Col. No. 991. Cathedral Peak Forestry Station, Bergville District, Natal. Elevation 8,000 feet. Dense-leaved perennial; leaves tough. Sod former on northern exposures.

275611. *PHAENOCOMA PROLIFERA* D. Don Asteraceae.

Col. No. 18804. Stony slope near sea, Kleinmond, Caledon District, Cape Province. Shrub to 30 inches high; leaves dark green; flowers bright pink to lavender.

275612. *PHYLICA* sp. Rhamnaceae.

Col. No. 18775. University grounds, Cape Town, Cape Province. Showy shrub; flowers pink.

275613. *PODOCARPUS FALCATUS* R. Br. Taxaceae.

Col. No. 18774. Kirstenbosch Botanic Gardens, Cape Town, Cape Province. Large, slow-growing, evergreen tree.

**275564 to 275624—Continued**

**275614.** *PROTEA NERIIFOLIA* R. Br. Proteaceae.

Col. No. 19129. Mountain slope, Karreedouw Pass, Humansdorp District, Cape Province. Elevation 1,000 feet. Spreading shrub to 6 feet high; floral bracts pink, attractive.

**275615.** *PSORALEA CAFFRA* E. & Z. Fabaceae.

Col. No. 18729. Burned-over slope, Du Toits Kloof, 20 miles west of Worcester, Cape Province. Bushy perennial to 40 inches high; flowers prolific.

**275616.** *PSORALEA* sp.

Col. No. 18877. Rocky slope, Garcia Pass, Riversdale District, Cape Province. Elevation 2,500 feet. Virgate perennial to 6 feet high; heads ornamental, globose.

**275617.** *RESTIO GIGANTEUS* N.E. Br. Restionaceae.

Col. No. 18873. Moist mountain slope, Garcia Pass, Riversdale District, Cape Province. Elevation 2,500 feet. Ornamental to 5 feet high.

**275618.** *RHIGOZUM OBOVATUM* Burch. Bignoniaceae.

Col. No. 18918. Rocky ground, vicinity of Cradock, Cape Province. Elevation 3,500 feet. Xerophytic shrub to five feet high; leaves small; flowers yellow, showy.

**275619.** *ROMULEA* sp. Iridaceae.

Col. No. 18714. Nieuwoudtville, Calvinia District, Cape Province. Ornamental.

**275620.** *SUTHERLANDIA FRUTESCENS* (L.) R. Br. Fabaceae.

Col. No. 18810. Limey sandstone soil, 10 miles northeast of Worcester, Cape Province. Elevation 2,000 feet. Erect perennial to 20 inches high; pods inflated, showy.

**275621.** *THAMNOCHORTUS ARGENTUS* Kunth Restionaceae.

Col. No. 18884. Maqui, Montagu Pass, George District, Cape Province. Elevation 3,000 feet. Reedlike perennial to 3 feet high; inflorescence silvery-gray.

**275622 and 275623.** *VELTHEIMIA VIRIDIFLORA* Jacq. Liliaceae.

**275622.** Col. No. 18712. Sandy meadow bottomland, 2 miles southeast of Darling, Cape Province. Flowers showy.

**275623.** Col. No. 18717. Rocky, sunny slope, Hex River Pass, 30 miles southeast of Worcester, Cape Province. Elevation 3,000 feet. Bulbous ornamental.

**275624.** *VIRGILIA DIVARICATA* Adamson Fabaceae.

Col. No. 18807. Betty's Bay, Caledon District, Cape Province. Spreading tree; leaves glossy, dark green; flowers purple, showy.

**275625.** *PHYLLITIS SCOLOPENDRIUM* (L.) Newman Polypodiaceae.

From Great Britain. Plants presented by N. T. Hollerith, Surrey, England. Received June 29, 1961.

**275626 to 275630.**

From Iran and Pakistan. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 29, 1961. From Pakistan unless otherwise noted.

**275626.** *ALLIUM* sp. Liliaceae.

Col. No. 994. Dumont, in mountains, 16 km. west of Juglate.

**275626 to 275630—Continued**

**275627.** *BUXUS SEMPERVIRENS* L. Buxaceae. Common box.

Col. No. 130. On Caspian Coast, 3.5 km. west of Ramsar, Iran. Shrub to 2 meters high; foliage dense.

**275628.** *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae. Watermelon.

Col. No. 702. Nomal, 28 km. up Hunza River from Gilgit. Elevation 1,500 meters.

**275629.** *DAUCUS CAROTA* L. Apiaceae. Carrot.

Col. No. 703. Nomal.

**275630.** *MOMORDICA CHARANTIA* L. Cucurbitaceae. Balsam-pear.

Col. No. 518. 'Karey-La'. Mangora bazaar, Swat.

**275631 to 275637.**

From India. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 29, 1961.

**275631 and 275632.** *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae. Watermelon.

**275631.** Col. No. 1348-A. Farm near Jodhpur.

**275632.** Col. No. 1350-A. Farm near Jodhpur.

**275633.** *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.

Col. No. 1350. Farm near Jodhpur.

**275634.** *CUCUMIS* sp.

Col. No. 1328. Drought stricken field, 83 km. from Pali, road to Ajmer. Small wild vine; fruit to 6 cm. long, edible.

**275635.** *LUFFA ACUTANGULA* (L.) Roxb. Cucurbitaceae. Loofah gourd.

Col. No. 1348. Farm near Jodhpur. A ridge gourd.

**275636.** *PHASEOLUS CALCARATUS* Roxb. Fabaceae.

Col. No. 1422. Agronomy Division, Indian Agricultural Research Institute, Assam. Tropical legume.

**275637.** *BETA VULGARIS* L. Chenopodiaceae. Common beet.

Col. No. 1349. Farm near Jodhpur.

**275638 to 275641.**

From Ethiopia. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 29, 1961.

**275638 to 275640.** *PISUM SATIVUM* L. Fabaceae.

**275638.** Col. No. 1851. Harar market.

**275639.** Col. No. 2003. Socca market.

**275640.** Col. No. 2086. Auareh.

**275641.** *VICIA FABA* L. Fabaceae. Broadbean.

Col. No. 2003-A. Socca market.



**275642 to 275645.**

From the Republic of South Africa. Seeds collected by A. S. Barclay, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 29, 1961.

**275642. DIMORPHOTHECA POLYPTERA DC. Asteraceae.**

Col. No. 984. Sandy soil, disturbed roadside, Kalahari thorn veld, 3 miles south of Nickerkshope, Hay District, Cape Province. Prostrate to ascending annual or perennial herb; flowers yellow.

**275643. OSTEOSPERMUM CAULESCENS Harv. Asteraceae.**

Col. No. 965. Grassy roadside, and adjacent field, 2 miles east of Bapsfontein, Bronkhorstspuit District, Transvaal. Erect perennial herb; stems extending into peduncles which bear the flowers and fruit well above the plant body; ray florets white with purple striations on lower surface; disk florets yellow.

**275644. OSTEOSPERMUM SINUATUM (DC.) T. Norl.**

Col. No. 983. Sandy soil along water course, Verneuk Pan, 16.5 miles north of Swarthkop Post Office, Kenhardt District, C.P. Shrub low, much branched; flowers yellow.

**275645. OSTEOSPERMUM THODEI Markotter**

Col. No. 988. Gravelly soil, in semi-barren areas, on mountain side and ridge trail leading to Organ Pipes Pass, Cathedral Mountain, Bergville District, Natal. Elevation 8,000 feet. Shrub to 1.5 feet high; flowers yellow.

**275646 to 275658.**

From Colombia, Costa Rica, Guatemala and Panama. Seeds presented by Boll Weevil Research Laboratory, Starkville, Mississippi. Received June 29, 1961. Source as indicated.

**275646. GOSSYPIUM BARBADENSE L. Malvaceae. Sea-island cotton.**

C.B. 3436. 'Egyptian Cotton'. Dooryard plant, 15 to 18 years old, near Escuela Nacional de Agricultura in Villa Nueva, Guatemala, 1961.

**275647. GOSSYPIUM sp.**

C.B. 3437. Dooryard plant, about 10 years old, South edge of Teculután, Guatemala, 1961.

**275648. GOSSYPIUM sp.**

C.B. 3438. Obtained at a native hut north of Teculután, Guatemala, 1961.

**275649. GOSSYPIUM sp.**

C.B. 3439. Dooryard plant, to 9 feet high, west side of Inter-American Highway, 6 miles up river from Palmar Norte (Puntarenas), Costa Rica, 1961.

**275650. GOSSYPIUM sp.**

C.B. 3440. Dooryard plant, to 9 feet high, at Indian Hut, about 2 miles southeast of Palmar Sur (Puntarenas), east side of Inter-American Highway, Costa Rica, 1961.

**275651. GOSSYPIUM sp.**

C.B. 3442. Field of cultivated perennial cotton. Cooperativa Algodonera, Campo de Multiplicacion de Algodon Perene o Hybrido Nativo Seleccionado, 2.5 miles south of Malambo (Atlantico), Colombia, 1961.

**275652. GOSSYPIUM sp.**

C.B. 3443. Wild cotton growing around a small pond in woods near Copey Town, east of Algarrobo (Magdalena), Colombia, 1961.

**275646 to 275658—Continued****275653. GOSSYPIUM sp.**

C.B. 3444. Dooryard plant, to 8 feet high, in vacant lot, Panama City, Panama, 1961.

**275654. GOSSYPIUM sp.**

C.B. 3445. Dooryard plant, 0.4 mile north of Inter-American Highway, road to Pedregal, Panama, 1961.

**275655. GOSSYPIUM sp.**

C.B. 3446. Dooryard plant, to 12 feet high, south side of Inter-American Highway, 0.4 mile northeast of Franklin D. Roosevelt statue, Panama, 1961.

**275656. GOSSYPIUM sp.**

C.B. 3447. Dooryard plant of kidney cotton, to 8 feet high, Turrialba, Costa Rica, 1961.

**275657. GOSSYPIUM sp.**

C.B. 3448. Dooryard plant, to 7 feet high, San Juaquin (Heredia), Costa Rica, 1961.

**275658. THESPESIA POPULNEA (L.) Soland. ex Correa. Malvaceae.**

**Portiatree.**

C.B. 3441. Dooryard plant, to 18 feet high, Repelon (Atlantico), Colombia, 1961.

**275659. WENZELIA sp. Rutaceae.**

From New Guinea. Seeds presented by the Division of Botany, Department of Forests, Lae. Received June 29, 1961.

No. L-1200. Gogol Valley, near Madax. Fruits cylindrical, about 2 inches long and 1.25 inches diameter, rounded at both ends, without nipple, bright orange when ripe.

**275660. LOLIUM PERENNE L. Poaceae.**

**Perennial ryegrass**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 29, 1961.

No. N. 632. 'Kangaroo Valley'.

**275661 to 275664.**

From Ethiopia. Seeds presented by the United States Operations Mission, Addis Ababa. Received June 29, 1961.

**275661. CROTALARIA USARAMOENSIS Baker f. Fabaceae.**

Found near Dire Dawa, grew to 1.5 feet; leaves composed of 3 leaflets.

**275662 to 275664. LUPINUS ALBUS L. Fabaceae.**

**White lupine.**

**275662. No. 1.**

**275663. No. 2.**

**275664. No. 3.**

**275665 to 275676. THEOBROMA CACAO L. Sterculiaceae. Cacao.**

From Ecuador. Budwood presented by the Servicio Cooperativo Inter-Americano de Agricultura, Pichilingue. Numbered June 30, 1961.

**275665 to 275668. Received Sept. 9, 1959.**

**275665. EET 103. Miami No. 17464. Very high-yielding selection; susceptible to witches' broom.**

**275666. EET 377. Miami No. 17465. EET 156 × SCA 6.**

**275665 to 275676—Continued****275665 to 275668—Continued**

275667. EET 392. Miami No. 17466. 'Silecia 1' × SCA 6. Has high resistance to witches' broom. Pod index 6.3.

275668. EET 397. Miami 17467. Venezuelan Morado type, open-pollinated. Resistant to witches' broom.

275669 to 275672. Received Apr. 15, 1960.

275669. EET 64. Miami No. 17554. Venezuelan amarillo type, originally from Ecuador.

275670. EET 250. Miami No. 17561. Venezuelan amarillo type, originally from Colombia.

275671. EET 261. Miami No. 17562. Venezuelan amarillo type, originally from Brazil.

275672. EET 401. Miami No. 17566. From Ecuador.

275673 to 275676. Received Aug. 5, 1960.

275673. EET 59. Miami No. 17613. Nacional type, originally from Ecuador.

275674. EET 156. Miami No. 17721. 'Nacional' × 'Venezuelan Morado'. From Ecuador.

275675. EET 236. Miami No. 17723. Venezuelan amarillo type, originally from Ecuador.

275676. SCA 9. Miami No. 17726. Forastero type, originally from Trinidad.

**275677 to 275683. LAGERSTROEMIA sp. Lythraceae.**

From Australia. Plants presented by the Hazlewood Nurseries, Epping, New South Wales. Received June 30, 1961.

275677. Dark red.

275681. White.

275678. 'Eaves Pink'.

275682. No data.

275679. 'Eaves White'.

275683. No data.

275680. Pink.

**275684 to 275686.**

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received July 5, 1961.

275684 and 275685. CAMELLIA JAPONICA L. Theaceae. Common camellia.

275684. Col. No. 972. From Rikuzen, Takada. Seed type, used for oil. Plant from the wild.

275685. Col. No. 982. From Raga, small coastal town near Tanohatamura, Iwate Prefecture. Plant in wild.

275686. SKIMMIA JAPONICA Thunb. Rutaceae.

Japanese skimmia.

Col. No. 964. From Areshima, small island near Shizukawa City, Miyagi Prefecture. Evergreen shrub; growing wild in shady forest with camellias; fruit terminal, bright red.

**275687 to 275751. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From Brazil unless otherwise noted. Seeds collected by W. C. Gregory, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 5, 1961.

All accessions are cultivated.

275687. Col. No. 110. Ituiutaba store, Minas Gerais.



**275687 to 275751—Continued**

275688. Col. No. 111. Ituiutaba store, Minas Gerais.
275689. Col. No. 112. Piracanjuba store, Goias.
275690. Col. No. 113. From a residence between Morrinhos and the Rio Piracanjuba.
275691. Col. No. 114. Piracanjuba store, Goias.
275692. Col. No. 115. Corumba store, Goias.
275693. Col. No. 116. Trairas store, Goias.
275694. Col. No. 117. Trairas store, Goias.
275695. Col. No. 118. Rio Maranhao store.
275696. Col. No. 119. Anapolis market, Goias.
275697. Col. No. 120. Anapolis market, Goias.
275698. Col. No. 121. From a Japanese colony 40 km. north of Ceres, Goias.
275699. Col. No. 122. On the Brasilia-Belem road, 162 km. north of Brasilia.
275700. Col. No. 123. On the Brasilia-Belem road, 151 km. north of Brasilia.
275701. Col. No. 124. On the Brasilia-Belem road, 174 km. north of Brasilia.
275702. Col. No. 125. On the Brasilia-Belem road, 174 km. north of Brasilia.
275703. Col. No. 126. On the Brasilia-Belem road, 174 km. north of Brasilia.
275704. Col. No. 127. 'Amendoim do Cavolho'. Forty km. north of Ceres.
275705. Col. No. 128. Forty km. north of Ceres.
275706. Col. No. 129. Forty km. north of Ceres.
275707. Col. No. 130. 'Amendoim do Cavolho'. From Japanese colony 40 km. north of Ceres.
275708. Col. No. 131. Forty km. north of Ceres.
275709. Col. No. 132. 'Amendoim do Cavolho'. Forty km. north of Ceres.
275710. Col. No. 133. From a Japanese colony 40 km. north of Ceres.
275711. Col. No. 134. 'Amendoim do Cavolho'. Forty km. north of Ceres.
275712. Col. No. 135. Ceres, 147 km. north of Brasilia, on Brasilia-Belem road.
275713. Col. No. 136. 'Amendoim do Cavolho'. Ceres.
275714. Col. No. 137. Rio das Almas, Minas Gerais.
275715. Col. No. 138. South of the Belo Horizonte-Belem highway, road to Patos.
275716. Col. No. 139. Patos de Minas, Minas Gerais.
275717. Col. No. 140. Varjou, Patos, Minas Gerais, on Belo Horizonte-Brasilia road.
275718. Col. No. 141. Valle Grande, near Curvelo, Minas Gerais.
275719. Col. No. 142. Mendanha, 27 km. north of Diamantina, Minas Gerais.

## 275687 to 275751—Continued

275720. Col. No. 143. Corrego do Crimen, between Gouveo and Curvelo, Minas Gerais.
- 275721 to 275744. Experiment Station, Sete Lagoas, Minas Gerais.
275721. Col. No. 144. 'Amendoim Tatu'.
275722. Col. No. 145.
275723. Col. No. 146. 'S. S. Preto'.
275724. Col. No. 147. 'Amendoim Mineiro'.
275725. Col. No. 148. 'L. S. Caiana'.
275726. Col. No. 149. 'Tatu de Virginopolis'.
275727. Col. No. 150. 'Tatu S. P.'.
275728. Col. No. 151. 'S. L. Tatu'.
275729. Col. No. 152. 'S. L. Paulista'.
275730. Col. No. 153. I.E.E.A. 68.
275731. Col. No. 154. I.E.E.A. 66.
275732. Col. No. 155. I.E.E.A. 35.
275733. Col. No. 156. I.E.E.A. 3.
275734. Col. No. 157.
275735. Col. No. 158. S.S. 181.
275736. Col. No. 159. S.S. 49.
275737. Col. No. 160. S.S. 35.
275738. Col. No. 161. S.S. 31.
275739. Col. No. 162. S.S. 21.
275740. Col. No. 163. S.S. 20.
275741. Col. No. 164. S.S. 18.
275742. Col. No. 165. S.S. 16.
275743. Col. No. 166. S.S. 5.
275744. Col. No. 167. S.S. 2.

## From Peru.

275745. Col. No. 168. 'Pintada'. Iquitas. Cultivated on river banks, after fall of high water, May, June; testa light-colored with purple spots.
275746. Col. No. 169. 'Liza' or 'Bollachita'. Iquitas. Cultivated on Amazon river banks, after fall of high water, May, June. Testa red.
275747. Col. No. 170. 'Copadina Chico' or 'Marado Menudo'. Cultivated on river banks, after fall of high water, May, June. Later plantings have insect problems. Testa purple.
275748. Col. No. 171. 'Blanca' or 'Angelita'. Iquitas area. Reportedly maturing in 3.5 months; considered rich in oil. Testa very light tan.
275749. Col. No. 172. 'Copadina Grande' or 'Marado Grande'. Tropical Peru. Cultivated on river banks, after fall of high water, May, June. Testa purple.
275750. Col. No. 173. Tournavista (near Pucallpa).
275751. Col. No. 174. Up the Ucayali River from Pucallpa.

**275752 to 275764.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 5, 1961.

**275752 to 275756. DESMODIUM SANDWICENSE E. Mey. Fabaceae.**

All originally from Hawaii.

275752. C.P.I. No. 18231. Kapoho strain.

275753. C.P.I. No. 18233. Makawwli strain.

275754. C.P.I. No. 18234. Pensacola strain.

275755. C.P.I. No. 18235. Puuwaawaa strain.

275756. C.P.I. No. 18236. Ulupalakua strain.

**275757 to 275762. GLYCINE JAVANICA L. Fabaceae.**

275757. C.P.I. No. 16417. From Nigeria.

275758. C.P.I. No. 16673. From Rhodesia.

275759. C.P.I. No. 17185. From Nigeria.

275760. C.P.I. No. 17673. From Bulgaria.

275761. C.P.I. No. 18103. From Brazil.

275762. C.P.I. No. 18419. Choma strain. From Northern Rhodesia.

**275763. LOTONONIS BAINESII Baker Fabaceae.**

C.P.I. No. 16833. From Republic of South Africa.

**275764. STYLOSANTHES SUNDAICA Taub. Fabaceae.**

C.P.I. No. Q. 314. Townsville lucerne. From Australia.

**275765. ORYZA SATIVA L. Poaceae.****Rice.**

From Pakistan. Seeds presented by the Office of the Economic Botanist (Cereals), Tejgaon, Dacca. Received July 5, 1961.

'Panbira'.

**275766 and 275767. HIBISCUS SABDARIFFA var. ALTISSIMA Wester Malvaceae.**

From Indonesia. Seeds presented by the United States Embassy, Djakarta. From the General Agricultural Experiment Station, Bogor. Received July 5, 1961.

275766. Green.

275767. Red.

**275768. OSTEOSPERMUM CORYMBOSUM L. Asteraceae.**

From the Republic of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 5, 1961.

Col. No. 18963. Burned over maquia, Garcia Pass, 10.5 miles north of Riversdale, Cape Province. Virgate annual, to 7 feet high; leaves large, imbricated; stem long, tapering, topped with spreading paniculate umbels; flowers yellow.

**275769 to 275771.**

From the United States. Seeds collected by E. E. Terrell and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 5, 1961.

**275769. LESQUERELLA LYRATA Rollins Brassicaceae.**

Col. No. 3370. Field 2.5 miles northwest of Richardson's Crossing, 6.5 miles east of Russellville, Franklin County, Alabama. Plants in wild; corolla yellow.



**275769 to 275771—Continued****275770. LESQUERELLA PERFORATA** Rollins

Col. No. 3344. Field in western part of Lebanon, Wilson County, Tennessee. Plants in wild; corolla white.

**275771. LESQUERELLA STONENSIS** Rollins

Col. No. 3347. Field 5.5 miles northwest of Walterhill, Rutherford County, Tennessee. Plants in wild.

**275772 to 275776.**

From Japan. Seeds presented by the National Institute of Genetics, Yata IIII, Misima, Sizuoka-ken. Samples collected from individual plants. Received July 5, 1961.

**275772. AGROPYRON CILIARE** (Trin.) Franch. Poaceae.

Donor's No. 5895 (1958).

**275773. AGROPYRON GMELINII** (Griseb.) Scribn. & Smith

Donor's No. 5778-1 (1957).

**275774. AGROPYRON MAYEBARANUM** Honda

Donor's No. 58115 (1958).

**275775. AGROPYRON TSUKUSHIENSE** (Honda) Ohwi

Donor's No. a-53 (1959).

**275776. AGROPYRON YEZOENSE** Honda

Donor's No. a-60 (1959).

**275777 to 275780.**

From Hong Kong. Seeds presented by the Urban Services Department, Victoria. Received July 5, 1961.

**275777. ILEX PUBESCENS** Hook. & Arn. Aquifoliaceae.

No. 17707.

**275778. ILEX ROTUNDA** Thunb.

No. 17706.

**275779. ILEX TRIFLORA** var. *VIRIDIS* Loes.

No. 17708.

**275780. RHODOLEIA CHAMPIONI** Hook. Hamamelidaceae.

No. 17709.

**275781 and 275782. THEOBROMA CACAO** L. Sterculiaceae. **Cacao.**

From the British West Indies. Seeds presented by the Department of Agriculture, St. Clair, Port-of-Spain, Trinidad. Received July 6, 1961.

**275781. ICS 1  $\times$  IMC 67.****275782. IMC 67  $\times$  ICS 1.****275783 to 275814.**

From Japan. Plant material collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received July 6, 1961.

**275783. AUCUBA JAPONICA** var. *BOREALIS* Miyabe & Kudo Cornaceae.

Col. No. 1030. Mount Osorisan, Aomori Prefecture. Plant 18 inches high with heavy fruiting habit.

## 275783 to 275814—Continued

275784. *CALANTHE TRICARINATA* Lindley Orchidaceae. **Orchid.**

Col. No. 1003. Near Lake Towada, Aomori Prefecture. Flowers in spikes to 18 inches high, yellow.

275785. *DRYOPTERIS CRASSIRHIZOMA* Nakai Polypodiaceae.

Col. No. 1009. Along shady path, below Yachi Onsen, Aomori Prefecture. Elevation 2,000 feet. Plant large; fronds attractive, dark green.

275786. *EUONYMUS* sp. Celastraceae.

Col. No. 1007. Near Lake Towada, Aomori Prefecture. Elevation 1,300 feet. A sprawling form, probably related to *E. alatus*.

275787. *HYDRANGEA SERRATA* (Thunb.) DC. Hydrangeaceae.

Col. No. 1031. 'Pubescens'. Lake border, Mount Osorisan, Aomori Prefecture. Upper leaf surfaces hairy; flowers white with sterile blue florets around perimeter of corymb.

275788 to 275795. *ILEX CRENATA* ssp. *RADICANS* (Nakai) Tatewaki Aquifoliaceae.

275788. Col. No. 1006. Lake Towada, Aomori Prefecture. Elevation 1,300 feet. Plant low growing.

275789. Col. No. 1017. Mount O-take, Aomori Prefecture. Elevation 3,950 feet. Large leaf type.

275790. Col. No. 1019. Mount O-take, Aomori Prefecture. Elevation 3,950 feet. Small leaf type.

275791. Col. No. 1020. Mount O-take, Aomori Prefecture. Elevation 3,950 feet. Small leaf type.

275792. Col. No. 1027. On sandy, sulphur, beach around small lake, Mount Osorisan, Aomori Prefecture. Plant prostrate, dense, and twiggy; a ground cover.

275793. Col. No. 1028. In swampy area, Mount Osorisan, Aomori Prefecture. Plant upright, to 8 feet high, vigorous many-branched.

275794. Col. No. 1032. On rocky cliffs, in full sun, Mount Osorisan, Aomori Prefecture. Plant dense, compact; foliage shiny.

275795. Col. No. 1037. Roadside, Mount Osorisan, Aomori Prefecture. Elevation 700 feet. Large-fruited form.

275796 and 275797. *ILEX* × *MAKINOI* Hara.

275796. Col. No. 1016. Along path, O-take, Aomori Prefecture. Elevation 3,600 feet. A pistillate natural hybrid.

275797. Col. No. 1026. In dense woods on Mount Osorisan, Aomori Prefecture. A staminate natural cross, *I. leucoclada* × *I. rugosa*; the hybrid exceeds parents in vigor and size.

275798 and 275799. *ILEX RUGOSA* Fr. Schmidt

275798. Col. No. 1015. Plant pistillate.

275799. Col. No. 1025. Roadside, edge of forest, Mount Osorisan, Aomori Prefecture. A vigorous pistillate form collected at low elevation.

275800 to 275808. *ILEX SUGEROKI* Maxim.

**Sugeroki holly.**

275800. Col. No. 989. Yachi Onsen, Aomori Prefecture. Elevation 2,300 feet. Berries red, single or in pairs.

275801. Col. No. 990. Yachi Onsen, Aomori Prefecture. Elevation 2,300 feet. Berries red, single or in pairs.

## 275783 to 275814—Continued

## 275800 to 275808—Continued

275802. Col. No. 991. Yachi Onsen, Aomori Prefecture. Elevation 2,300 feet. Berries red, single or in pairs.

275803. Col. No. 992. Yachi Onsen, Aomori Prefecture. Elevation 2,300 feet. Berries red, single or in pairs.

275804. Col. No. 993. Above Yachi Onsen, Aomori Prefecture. Elevation 2,800 feet. Plant to 8 feet high; berries red, single or in pairs.

275805. Col. No. 994. Moist sunny upland bog, above Yachi Onsen, Aomori Prefecture. Elevation 3,100 feet. Berries red.

275806. Col. No. 1018. Sphagnum bog, O-take, Aomori Prefecture. Elevation 3,750 feet. Plant upright; berries red.

275807. Col. No. 1023. Around small lake, Mount Osorisan, Aomori Prefecture. Plant staminate.

275808. Col. No. 1024. Mount Osorisan, Aomori Prefecture. Upright dense shrub to 6 feet high; berries red.

275809. *LYSICHITUM CAMTSCHATCENSE* (Linn.) Schott Araceae.

Col. No. 1008. Sphagnum bog above Sukayu Onsen, Aomori Prefecture. Elevation 3,150 feet. Plant deep rooted; spadix large, white.

275810. *MENZIESIA CILIICALYX* Maxim. Ericaceae.

Col. No. 1004. Lake Towada, Aomori Prefecture. Elevation 1,950 feet. Deciduous shrub to 4 feet high; flowers purple, pendant.

275811. *RHODODENDRON JAPONICUM* (Gray) Schneid. Ericaceae.

Japanese azalea.

Col. No. 1022. Full sun, O-take, Aomori Prefecture. Elevation 2,950 feet. Flowers brilliant orange red, uniform in color.

275812. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.) Wilson

Torch azalea.

Col. No. 1005. Near Lake Towada, Aomori Prefecture. Flowers red.

275813. *RUBUS VERNUS* Focke Rosaceae.

Col. No. 1021. Along path, O-take, Aomori Prefecture. Elevation 4,750 feet. Flowers large, dark red, about one inch in diameter; ornamental.

275814. *THUJOPSIS DOLABRATA* var. *HONDAI* Makino Pinaceae.

Col. No. 1029. Dominant forest plant, Mount Osorisan, Aomori Prefecture. Form of the species found only in northern part of Aomori and Hokkaido.

## 275815 to 275818.

From Japan. Seeds presented by the Horticultural Station, National Tokai-Kinki Agricultural Experiment Station, Okitsu, Shimizu City. Received July 10, 1961.

275815. *CITRUS IYO* Hort. ex Tanaka Rutaceae.

Probable chance seedling, Yamaguchi Prefecture. Grown commercially for its size, attractive appearance and fruit quality. Tree resembles a sweet orange and its response to soil elements and pathogens is similar to *C. sinensis*.

275816. *CITRUS PSEUDOPARADISI* Hort. ex Tanaka

A cultigen from Ehime Prefecture called 'Uwa-pomelo'. Grown commercially.



**275815 to 275818—Continued**

275817. CITRUS SULCATA Hort. ex Tanaka

Grown commercially as a late-maturing citrus of good taste and desirable flesh texture. Has pronounced basal nipple.

275818. CITRUS sp.

Received as 'Sankitsu Mandarin'.

**275819 to 275826. PISUM SATIVUM L. Fabaceae.**

From Sweden. Seeds presented by the North Experiment Station, Alnarp. Received July 10, 1961.

275819. Line 1. Early dwarf. See E. Nilsson, 1936, Hereditas XXI.

275820. Line 2. Gray dwarf. See J. Rasmussen, 1927, Hereditas X.

275821. Line 3. 201.1 Dwarf. See De Haan, 1927, Genetica IX.

275822. Line 4. 'Witham Wonder'. Dwarf. See J. Rasmussen, 1927, Hereditas X.

275823. Line 6. 204.1. Dwarf. See De Haan, 1927, Genetica IX.

275824. Line 7. 'Acacia'. Dwarf. See E. Nilsson, 1933. Hereditas XVII.

275825. Line 8. Cryptodwarf. See J. Rasmussen L 1373/30.

275826. Line 30. Dwarf. See R. Lamm, 1947, Hereditas XXXIII.

**275827. MYRICA CORDIFOLIA L. Myricaceae.**

From the Republic of South Africa. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received June 22, 1961.

Col. No. 18848. Buffeljagt, Bredasdorp District, Cape Province.

**275828 to 275845. ZEA MAYS L. Poaceae.**

**Corn.**

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, New York. Numbered July 11, 1961.

275828. G 8819. Collected at farm of N. E. Solt, Leighton, Carbon County, Pa. Vigorous, leafy, open-pollinated flint corn; suckers few; ears 1.5 by 11 inches, 8 rowed. Susceptible to smut.

275829. G 8820. 'Hapler Ear 2'. Collected at farm of Larry Hapler, New Bethlehem, Clarion County, Pa. Plants vigorous, erect, leafy, suckerless; ear 2.1 by 12 inches, 18 rowed; kernels white capped, dent. Smut free.

275830. G 8821. 'Hapler Ear 8'. Collected at farm of Larry Hapler. Plants vigorous, erect, leafy; suckers few; ears two by seven inches, 18 rowed; kernels white capped, dent. Smut free.

275831. G 8822. Collected at farm of J. W. Stiles, N. W., Pa. Plants vigorous, erect, leafy; suckers few; ears 1.75 by 8 inches, 12 rowed; kernels white capped, dent. Smut free.

275832. G 8823. Collected at Farm Show, Lancaster, Pa., 1959. Plants vigorous, erect, tall, very leafy, suckerless; ears two by nine inches, 14 rowed; kernels white capped, dent. Whitecap version of 'Lancaster Sure Crop'. Smut severe.

275833. G 8824. Collected at Farm Show, Lancaster, Pa., 1959. Plants vigorous, erect, leafy, whorls of leaves at top, suckerless; ears 2.25 by 10 inches, 14 rowed; kernels white capped, dent. White-cap version of 'Lancaster Sure Crop'. Smut severe.

## 275828 to 275845—Continued

275834. G 8825. Collected at Farm Show, Lancaster, Pa., 1959. Plants vigorous, erect, uniformly tall, leafy, whorls of leaves at top, suckerless; stalks large; ear 2.25 by 11.5 inches, 16 rowed; kernels white capped, dent. White-cap version of 'Lancaster Sure Crop'. Smut severe.
275835. G 8826. 'Penna Leaming'. Collected at Farm Show, Lancaster, Pa., 1959. Plants vigorous, erect, leafy; suckers few; ear 2.25 by 9 inches, 18 rowed; kernels yellow, dent. Smut severe.
275836. G 8827. Collected at Farm Show, Lancaster, Pa., 1959. Plants vigorous, erect, leafy, uniform; suckers few; ear 2.25 by 8.5 inches, 16 rowed; kernels yellow, dent. Susceptible to smut.
275837. G 8828. Collected at farm of C. W. Buskirk, Saylorsburg, Monroe County, Pa. Plants vigorous, erect, leafy, uniform; suckers few; ear 2.25 by 7 inches, 18 rowed, tapering abruptly; kernels yellow, dent. Susceptible to smut and very susceptible to bacterial wilt.
275838. G 8829. Collected at farm of C. W. Buskirk. Plants vigorous, erect, leafy, suckerless; ear 2 by 8 inches, 16 rowed; kernels yellow, dent. Slightly susceptible to smut.
275839. G 8830. Collected at farm of Joseph Reinsel, Maypert, Clarion County, Pa. Plants vigorous, erect, uniform; suckers few; ear 2 by 7 inches, 16 rowed, kernels yellow, dent, white capped. Susceptible to smut.
275840. G 8831. Collected at farm of Joseph Reinsel. Plants of medium vigor, erect, leafy, suckerless; ears 1.75 by 9 inches, 20 rowed, kernels yellow, dent, white capped.
275841. G 8832. Collected at farm of Clem Griffith Ephrata, Lancaster County, Pa. Plants vigorous, erect, leafy; suckers few; little pollen, late maturing; ears 2.25 by 12 inches, 16 rowed, kernels yellow, dent. Smut severe.
275842. G 8833. Collected at farm of Clem Griffith. Plants vigorous, erect, leafy, uniform, little pollen; suckers few; ears 2.25 by 9.5 inches, 16 rowed; kernels yellow, dent. Smut severe.
275843. G 8834. Collected at Farm Show, Lancaster, Pa., 1959. Plants vigorous, erect, moderately leafy, moderately uniform, suckerless; ear 2.25 by 10 inches, 16 rowed; kernels yellow, dent. Susceptible to smut.
275844. G 8835. Collected at Farm Show, Lancaster, Pa., 1959. Plants erect, leafy, uniform; suckers few; stalk flattened; ear 2 by 11.75 inches, 12 to 16 rowed; kernels yellow dent with light yellow cap. Susceptible to bacterial wilt and smut.
275845. G 10200. 'Millersburg Red Sweet'. Presented by E. T. Friend, Highland Springs, Va. Seeds from Millersburg, Ohio. Sweet corn with wrinkled, red kernels.

## 275846. MANGIFERA INDICA L. Anacardiaceae.

**Mango.**

From Rhodesia. Tree purchased through the United States Consulate, Salisbury. Received July 10, 1961. Numbered July 13, 1961.

'Tyler Premier'. A chance seedling growing on Eastlands farm, Eastern District, Umfali, Southern Rhodesia, and reproduced vegetatively. Tree vigorous producing a few fruits in its second year and progressively more thereafter; fruit yellowish, large, almost round, free from turpentine and string, flavor excellent; seed smooth, can be eaten with a spoon. Ripens a little later than most other varieties.

**275847. ILEX GLABRA f. LEUCOCARPA F. W. Woods**  
Aquifoliaceae.

From the United States. Plant presented by the Gulf Coast Research Center, Mariana, Florida. Numbered July 12, 1961.

No. N.A. 14278. A white-fruited form found in Jackson County, about 4 miles south of Mariana. Plant has typical growth form, but albinism extends to the leaves, which are lighter green.

**275848 to 275865.**

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received July 12, 1961.

**275848 and 275849. AUCUBA JAPONICA var. BOREALIS Miyabe & Kudo**  
Cornaceae.

**275848.** Col. No. 1035. Growing along roadside in shady woods of *Thuopsis*. Plant to 18 feet high, compact, attractive.

**275849.** Col. No. 1036. Growing as subshrub, Mount Osorisan, Aomori Prefecture. Plant to 18 inches high; fruit red, in terminal clusters, June.

**275850 to 275857. ILEX CRENATA ssp. RADICANS (Nakai) Tatewaki**  
Aquifoliaceae.

**275850.** Col. No. 995. Streamside, edge of sphagnum bog, Yachi Onsen, Aomori Prefecture. Elevation 2,300 feet. Low-growing evergreen; leaf size variable; fruit black.

**275851.** Col. No. 996. Edge of Sphagnum bog, above Yachi Onsen, Aomori Prefecture. Elevation 2,800 feet. Low-growing evergreen; leaf size variable, fruit black.

**275852.** Col. No. 997. Edge of sphagnum bog, near Sukayu Onsen, Aomori Prefecture. Elevation 3,200 feet. Low-growing evergreen; leaf size variable; fruit black.

**275853.** Col. No. 1011. Open boggy meadow, Mount O-take, Aomori Prefecture. Elevation 4,250 feet. Plant to 4 feet high; leaves variable size.

**275854.** Col. No. 1012. Perimeter of sphagnum bog, Mount O-take, Aomori Prefecture. Elevation 4,000 feet. A low-growing evergreen shrub.

**275855.** Col. No. 1033. Sulphur outcrop, Mount Osorisan, Aomori Prefecture. Plant prostrate.

**275856.** Col. No. 1034. Swampy woods, Mount Osorisan, Aomori Prefecture. Plant to 8 feet high, vigorous, upright.

**275857.** Col. No. 1038. Roadside, in full sun, Mount Osorisan, Aomori Prefecture. Elevation 700 feet. Large-fruited form.

**275858. ILEX RUGOSA Fr. Schmidt.**

Col. No. 1013. Understory of *Pinus pumila*, Mount O-take. Elevation 4,250 feet. Plant prostrate; leaves rugose; fruits red.

**275859 to 275862. ILEX SUGEROKII Maxim.**

**Sugeroki holly.**

**275859.** Col. No. 998. Sunny places, along stream, sphagnum bog, Yachi Onsen, Aomori Prefecture. Elevation 2,300 feet. Plant upright to 8 feet high; fruit red, single or in pairs.

**275860.** Col. No. 999. Roadside above Yachi Onsen, Aomori Prefecture. Elevation 2,800 feet. Plant upright, evergreen; fruit red, single or in pairs.



## 275848 to 275865—Continued

## 275859 to 275862—Continued

275861. Col. No. 1000. Edge of sphagnum bog, near Sukayu Onsen, Aomori Prefecture. Elevation 3,100 feet. Plant upright, evergreen; fruit single or in pairs.

275862. Col. No. 1014. Bog, Mount O-take, Aomori Prefecture. Elevation 4,000 feet. Plant upright, evergreen; fruit red.

275863. *PRUNUS TOMENTOSA* Thunb. Amygdalaceae. **Manchu cherry.**

Col. No. 1002. Growing along barley field, Akka-Kuji road, Aomori Prefecture. A bush cherry; fruit large, about size of cranberry, very attractive.

275864. *PRUNUS VERECUNDA* Koehne

Col. No. 1001. In forest near Lake Towada, Aomori Prefecture. Elevation 1,600 feet. Tree to 40 feet high.

275865. *SKIMMIA REPENS* Nakai Rutaceae.

Col. No. 1010. Growing in shady places, Mount O-take, Aomori Prefecture. Elevation 4,400 feet. Plant small, semiprostrate, evergreen; fruits red, in terminal clusters.

## 275866 to 275935.

From Belgium. Plants presented by the Jardin Botanique de l'Etat, Brussels. Received July 10, 1961. Numbered July 13, 1961.

275866. *AGAPANTHUS CAULESCENS* Spreng. Liliaceae.

275867. *ANUBIAS AFFINIS* DeWild Araceae.

275868. *ANUBIAS CONGENSIS* N.E. Br.

275869. *APHELANDRA AURANTIACA* (Schneidw.) Lindl. Acanthaceae.

275870. *APHELANDRA AURANTIACA* var. *ROEZLII* (Carr.) Nichols

275871. *APHELANDRA TETRAGONA* (Vahl) Nees

275872. *ASYSTASIA VOGELIANA* Benth. Acanthaceae.

275873. *BEGONIA* (hybrid). Begoniaceae.

'Colonel Six'.

275874. *BEGONIA CRISPULA* Brade

275875. *BIGNONIA UNCATA* (Andr.) Sprague & Sandw. Bignoniaceae.

'Rodigasiana'.

275876. *CHLOROPHYTUM ALISMIFOLIUM* Bak. Liliaceae.

275877. *CHLOROPHYTUM MACROPHYLLUM* (A. Rich.) Aschers.

275878. *CHLOROPHYTUM MANNII* Bak.

275879. *CHLOROPHYTUM ORCHIDASTRUM* Lindl.

275880. *CHLOROPHYTUM UKAMBENSE* Bak.

275881. *CLUSIA OVIGERA* Pl. & Tr. Clusiaceae.

275882 to 275904. *CODIAEUM VARIEGATUM* var. *PICTUM* (Lodd.) Muell.-Arg. Euphorbiaceae.

275882. 'Appendiculatum'.

275886. 'Carrierei'.

275883. 'B. Comte'.

275887. 'Dame Melanie'.

275884. 'Baronne James de Rothschild'.

275888. 'Frederic Sander'.

275885. 'British Empire'.

275889. 'Glace'.

## 275866 to 275935—Continued

## 275882 to 275904—Continued

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|---------------------------------|-------------------------------|
| 275890. 'L'Aurore'.             | 275898. 'Neglectus'.          |
| 275891. 'L'Ideal'.              | 275899. 'Ostersii'.           |
| 275892. 'Majesticum'.           | 275900. 'President Charles'.  |
| 275893. 'Maurice Rouvier'.      | 275901. 'Prince of Monaco'.   |
| 275894. 'Mlle Etienne Joris'.   | 275902. 'Quadricolor'.        |
| 275895. 'Mme de Solignac'.      | 275903. 'Souvenir de Laeken'. |
| 275896. 'Mr. Georges Truffaut'. | 275904. 'Sunbeam'.            |
| 275897. 'Mr. Peeters'.          |                               |

275905 to 275909. *CORDYLINAE TERMINALIS* (L.) Kunth Liliaceae. **Dracena.**

- |                             |                        |
|-----------------------------|------------------------|
| 275905. 'Eeckhouttei'.      | 275908. 'Mme Charron'. |
| 275906. 'Kaiser Wilhelm'.   | 275909. 'Mr. Russell'. |
| 275907. 'Marguerite Story'. |                        |

275910. *COSTUS AFER* Ker-Gawl. Zingiberaceae.275911. *COSTUS* sp.

'Albovariegata'.

275912. *CRINUM CONGALENSE* DeWild Amaryllidaceae.275913. *DRACAENA RUBRO-AURANTIACA* DeWild Liliaceae.275914. *DRACAENA UMBRACULIFERA* Jacq.275915. *EPIPREMNUM MIRABILE* Schott Araceae.275916. *ERANTHEMUM NIGRUM* Linden Acanthaceae.275917. *EUGENIA GUILLEMINIANA* Gentil Myrtaceae.275918. *EULOPHIA HORSFALLII* (Batem.) Summerhay Orchidaceae.**Orchid.**275919. *FICUS HEDERACEA* Roxb. Moraceae.275920. *GLORIOSA HOMBLEI* DeWild Melanthiaceae.275921. *HYMENOCALLIS SENEGAMBICA* Kunth & Bouche Amaryllidaceae.275922. *MICROSTYLIS COMMELINIFOLIA* Zoll. & Mor. Orchidaceae. **Orchid.**275923. *SYNGONIUM PODOPHYLLUM* Schott. Araceae.275924. *PHRYNIUM BRACHYSTACHYUM* Koern. Marantaceae.275925. *PILEA ELEGANS* Wedd. Urticaceae.275926. *PLECTRANTHUS PURPURATUS* Harv. Menthaceae.275927. *PSEUDERANTHEMUM SETICALYX* Stapf Acanthaceae.275928. *RUELLIA ROSEA* Bull Acanthaceae.275929. *SANSEVIERIA TRIFASCIATA* Prain Liliaceae.

'Craigii'.

275930. *SCLERIA RACEMOSA* Poir. Cyperaceae.275931. *STROBILANTHUS GLOMERATUS* (Nees) T. Anders. Acanthaceae.275932. *THUNBERGIA ERECTA* (Benth.) T. Anders. Acanthaceae.**Clockvine.**

'Alba'.

275933. *THUNBERGIA IKBALIANA* DeWild275934. *VANILLA LUJAE* DeWild Orchidaceae.**Orchid.**

## 275935. (Undetermined.)

**275936. HIBISCUS FURCATUS Willd. Malvaceae.**

From India. Seeds presented by the Botany Department, Andhra University, Waltair. Received July 13, 1961.

**275937. TRICHACHNE INSULARIS (L.) Nees Poaceae.**

From Puerto Rico. Seeds presented by the Soil Conservation Service, United States Department of Agriculture, Ponce. Received July 13, 1961.

**275938. AGROPYRON JUNCEUM (L.) Beauv. Poaceae.**

From Israel. Seeds presented by the Plant Introduction Service, Agricultural Experiment Station, Haifa. Received July 13, 1961.

'Acre'. Growing on dunes near the sea.

**275939 to 275957.**

From the Republic of South Africa. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 17, 1961.

**275939. CEPHALOPHYLLUM ALSTONII Marloth ex L. Bolus Aizoaceae.**

From Veld Reserve, Worcester, Cape Province. Succulent ornamental.

**275940 and 275941. ERICA SESSILIFLORA L. f. Ericaceae.**

**275940.** Col. No. 18825. Limestone mountain slope eight miles north-west of Bredasdorp, C. P. Elevation 2,000 feet. Plant suffrutescent, to 16 inches high; spikes prolific; flowers pale green, ornamental.

**275941.** Col. No. 18853. Sandy soil near sea level, Buffeljagt, Bredasdorp District C. P. Shrub to 5 feet high; flowers light green, persisting on stems below leaves.

**275942. INDIGOFERA SULCATA DC. Fabaceae.**

Col. No. 18951. Prince Alfred's Pass, Uniondale District, Cape Province. Elevation 3,000 feet. Virgate perennial to 40 inches high; stem firm, slender.

**275943. LEUCODENDRON sp. Proteaceae.**

Col. No. 18854. Near sea level, Buffeljagt, Bredasdorp District, Cape Province. Dense bushy shrub to 6 feet high; heads silvery, showy.

**275944. LEUCOSPERMUM ATTENUATUM R. Br. Proteaceae.**

Col. No. 19123. Sandy maquia seven miles west of Mossel Bay, Cape Province. Elevation 100 feet. Symmetrical shrub to 5 feet high; flowers red and yellow, ornamental.

**275945. LEUCOSPERMUM CONOCARPUM R. Br.**

Col. No. 19034. Rocky, sandy, soil Sir Lowry's Pass near Bot River, Cape Province. Plant symmetrical, to 7 feet high; branches erect, imbricated with large green leaves; flower heads large, yellow, ornamental.

**275946. MYRICA CORDIFOLIA L. Myricaceae.**

Col. No. 18848. Sea level sand dunes, Buffeljagt, Bredasdorp District, Cape Province. Low, spreading shrub in wild; branches running along ground and rooting. Used to stabilize dunes.

**275947. NEBELIA SPHAEROCEPHALA O. Ktze. Bruniaceae.**

Col. No. 18855. Near sea level, Buffeljagt, Bredasdorp District, Cape Province. Plant low, silvery, iricoid; flowers in heads, minute.

**275948. CENCHRUS CILIARIS L. Poaceae.**

**Buffelgrass.**

Col. No. 993. Collected in Cape Province. Widespread, perennial pasture grass.



**275939 to 275957—Continued**

**275949. PROTEA CYNAROIDES L. Proteaceae.**

Col. No. 18846. Limestone slope 8 miles northwest of Bredasdorp, Cape Province. Elevation 1,800 feet. Plant low; leaves large; flowers large, pink, ornamental.

**275950. PROTEA sp.**

Col. No. 18847. Limestone slope 8 miles northwest of Bredasdorp, Cape Province. Elevation 1,500 feet. Plant symmetrical, spreading; flowers large, showy.

**275951. PROTEA sp.**

Col. No. 18850. Near sea level, Buffeljagt, Bredasdorp District, Cape Province. Shrub to 6 feet high; bracts pink, ornamental.

**275952. SERRURIA AITONII R. Br. Proteaceae.**

Col. No. 19009. Sandstone soils, Piquetburg Mountain, Piquetberg District, Cape Province. Elevation 3,000 feet. Perennial to 20 inches high; stem single; crown spreading.

**275953. SETARIA SPHACELATA (Schum.) Stapf & Hubbard ex M. B. Moss Poaceae.**

Col. No. 19177. Plot No. A53, Rietondale Research Station, Pretoria. Tall, caney grass growing rapidly with 20 inches of summer rain.

**275954. SPATALLOPSIS ERICIFOLIA Phillips Proteaceae.**

Col. No. 19030. In valley between Kleinfontein and Ceres, Ceres District. Short-lived perennial to 32 inches high; flowers in spikes, lavender, ornamental.

**275955. SPOROBOLUS FIMBRIATUS Nees Poaceae.**

Col. No. 19180. Plot No. A107, Rietondale Research Station, Pretoria. Vigorous xerophytic perennial growing with 20 inches of summer rain.

**275956. THEMEDA TRIANDRA Forsk. Poaceae. Rooi grass.**

Col. No. 18906. Karoo veldt, along road to Cradock, 20 miles southeast of Middelburg, Cape Province. Elevation 3,500 feet. Leafy perennial to 32 inches high. Well liked by livestock. Annual rain 12 to 20 inches; temperature to 150° F.

**275957. WATSONIA sp. Iridaceae.**

Col. No. 19133. Coastal fynbos, 18 miles west of Humansdorp, Cape Province. Elevation 150 feet. Flowers attractive, bright orange; spikes long, ornamental.

**275958 to 275961. VIGNA SINENSIS (Torner) Savi Fabaceae.**

**Cowpea.**

From Nigeria. Seeds presented by the Department of Botany, University College, Ibadan. Received July 18, 1961.

Plants prostrate.

**275958. No. 1. Seeds large, brown.**

**275959. No. 2. Seeds large, white.**

**275960. No. 3. Seeds medium, white.**

**275961. No. 4. Seeds small, brown, mottled, rough.**

**275962. SOLANUM TUBEROSUM L. Solanaceae.**

**Potato.**

From Australia. Tubers presented by the Department of Agriculture, Sydney, New South Wales. Received July 21, 1961.

'Bungama'.

**275963. CARICA PAPAYA L. Caricaceae. Papaya.**

From Japan. Seeds presented by United States Embassy, Tokyo. Received July 21, 1961.

A dwarf variety from Pin Tung, near Kaoshing, south Taiwan.

**275964 and 275965. ALLIUM CEPA L. Liliaceae. Onion.**

From Greece. Seeds presented by the United States Embassy, Athens. Cultivated in Kypseli, Zante. Received Dec. 15, 1961.

Bulbs subglobose, red, sweet, sometimes weighing 1,000 grams. 'Velousiotika' or 'Nerokremmydo'.

**275964.** No. 1.

**275965.** No. 2.

**275966 and 275967. PENNISETUM SPICATUM (L.) Willd. Poaceae. Pearl millet.**

From Rhodesia. Seeds presented by the United States Consul General, Salisbury. Received July 24, 1961.

**275966.** No. 1. 'Bearded Rhodesian'.

**275967.** No. 2. 'Rhodesian Giant'.

**275968. PANICUM BULBOSUM H.B.K. Poaceae.**

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received July 24, 1961. From the state of Bahia.

**275969 and 275970.**

From the Sudan. Seeds presented by E. G. Nelson, Bethesda, Md. Received July 24, 1961.

**275969.** CORCHORUS TRILOCULARIS L. Tiliaceae.

From Kashim el Girba.

**275970.** Undetermined.

From Khartoum.

**275971 to 275973.**

From Germany. Plants purchased from Walter Suptitz, Hamburg. Received Sept. 9, 1960. Numbered July 25, 1961.

**275971.** HYDRANGEA sp. Hydrangeaceae.

'Bodensu'. Flowers blue.

**275972.** HYDRANGEA sp.

'Hornli'.

**275973.** HYDRANGEA sp.

'Mathilde'.

**275974 to 275995.**

From France. Seeds presented by the Laboratoire de Recherches, sur les Plantes Fourrageres, Service Botanique, Rouen. Received July 25, 1961.

**275974.** MELILOTUS ALBA Desr. Fabaceae. White sweetclover.

'Cournon' (Puy de Dome).

**275975.** MELILOTUS OFFICINALIS (L.) Lam. Yellow sweetclover.

'Goulven' (Finistere).

**275976.** TRIFOLIUM ALPESTRE L. Fabaceae.

'Montagne de Lure' (Basses-Alpes).

**275974 to 275995—Continued**275977. *TRIFOLIUM ALPINUM* L.

'Col du Lautaret' (H.A.).

275978. *TRIFOLIUM ANGUSTIFOLIUM* L.

'Bourdeaux' (Drome).

275979. *TRIFOLIUM ARVENSE* L.

Rabbitfoot clover.

'Roscoff' (Finistere).

275980. *TRIFOLIUM BADIUM* Schreb.

'Besse en Chandesse' (P. de D.).

275981. *TRIFOLIUM CAMPESTRE* Schreb.

'Le Vaudreuil' (Eure).

275982. *TRIFOLIUM FILIFORME* var. *DUBIUM* Fiori

'Pin au Haras' (Orne).

275983 to 275986. *TRIFOLIUM FRAGIFERUM* L.

Strawberry clover.

275983. 'Bourdeaux' (Drome).

275985. 'Le Guilvinee' (Finistere).

275984. 'Guisseny' (Finistere).

275986. 'Lesconil' (Finistere).

275987. *TRIFOLIUM GLOMERATUM* L.

Cluster clover.

'Roscoff' (Finistere).

275988. *TRIFOLIUM INCARNATUM* L.

Crimson clover.

'Molinerii'. Wild type. (Puy de Dome).

275989 to 275992. *TRIFOLIUM PRATENSE* L.

Red clover.

275989. 'Creances' (Manche).

275990. 'Fay sur Lignon' (Haute-Loire).

275991. 'Mont-Ventoux' (Vaucluse).

275992. 'Pin au Haras' (Orne).

275993. *TRIFOLIUM REPENS* L.

Whiteclover.

'Pentrez-Plage' (Finistere).

275994. *TRIFOLIUM RESUPINATUM* L.

Persian clover.

(Herault).

275995. *TRIFOLIUM SCABRUM* L.

'Pentrez-Plage' (Finistere).

**275996 to 276022.**

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas, Madrid. Received July 25, 1961.

275996 to 276013. *TRITICUM DICOCCUM* var. *FARRUM* Bayle-Barrelle ex Flaksb. Poaceae.

275996. Donor's No. 76. Graus, Huesca. Escana.

275997. Donor's No. 89. Grado, Asturias.

275998. Donor's No. 92. Puente Fierros, Asturias. Povia.

275999. Donor's No. 93. Puente Fierros, Asturias. Povia blanca.

276000. Donor's No. 94. Puente Fierros, Asturias. Povia.

276001. Donor's No. 95. Puente Fierros, Asturias. Povia.

276002. Donor's No. 97. Canada del Hoyo, Cuenca. Escana doble.



## 275996 to 276022—Continued

## 275996 to 276013—Continued

276003. Donor's No. 98. Navarra. Escandia.  
 276004. Donor's No. 100. Graus, Barcelona. Escana.  
 276005. Donor's No. 101. Somiedo, Asturias. Povia blanca.  
 276006. Donor's No. 102. Asturias. Povia blanca.  
 276007. Donor's No. 103. Asturias. Povia blanca.  
 276008. Donor's No. 104. Malvedo, Asturias. Escanda.  
 276009. Donor's No. 106. Muros, La Coruna.  
 276010. Donor's No. 107. Salas, Asturias.  
 276011. Donor's No. 110. Asturias. Escanda povia.  
 276012. Donor's No. 111. Asturias. Povia blanca.  
 276013. Donor's No. 112. Somiedo, Asturias. Povia blanca.

## 276014 to 276022. TRITICUM DICOCCUM Schrank

Emmer.

'Rufum'.

276014. Donor's No. 118. Puente Fierros, Asturias.  
 276015. Donor's No. 119. Puente Fierros, Asturias.  
 276016. Donor's No. 122. Vega Peridiello, Asturias.  
 276017. Donor's No. 124. Puente Fierros, Asturias. Povia.  
 276018. Donor's No. 125. Puente Fierros, Asturias. Povia.  
 276019. Donor's No. 126. Puente Fierros, Asturias. Povia.  
 276020. Donor's No. 127. Puente Fierros, Asturias. Povia.  
 276021. Donor's No. 129. Puente Fierros, Asturias. Povia.  
 276022. Donor's No. 130. Asturias. Escanda de la abundancia.

## 276023 to 276073.

From the Republic of South Africa. Seeds presented by the Division of Crops and Pastures, Department of Agricultural Technical Services, Pretoria. Received July 26, 1961.

## 276023. ANDROPOGON APPENDICULATUS Nees Poaceae.

Donor's No. 697. Ermelo, Transvaal.

## 276024. ANDROPOGON GAYANUS Kunth

Donor's No. 698. From Gold Coast.

## 276025. ANTHEPHORA PUBESCENS Nees Poaceae.

Donor's No. 701. Vaalbank, Orange Free State.

## 276026. ARISTIDA UNIPLUMIS Roem. &amp; Schult. Poaceae.

Donor's No. 699. Rietrivier, Orange Free State.

## 276027 and 276028. BROMUS WILLDENOWII Kunth Poaceae. Rescuegrass.

276027. Donor's No. 702. From Nakuru, Kenya.

276028. Nakuru. A weak perennial.

## 276029. CHLORIS GAYANA Kunth Poaceae.

Rhodesgrass.

Donor's No. 700. Standerton, Transvaal.

## 276030. CYMBOPOGON PLURINODIS (Stapf) Burt-Davy Poaceae.

**276023 to 276073—Continued**

**276031.** *DIGITARIA SMUTSII* Stent. Poaceae.

Donor's No. 703. Irene.

**276032.** *EHRHARTA LONGIFOLIA* Schrad. Poaceae.

Donor's No. 704. Darling Basson.

**276033.** *ERAGROSTIS ATHERSTONEI* Stapf Poaceae.

Donor's No. 705. Pretoria.

**276034.** *ERAGROSTIS CAPENSIS* (Thunb.) Trin.

Donor's No. 707. Piketberg, Cape Province.

**276035.** *ERAGROSTIS CHALCANTHA* Trin.

Donor's No. 706. Porterville, Cape Province.

**276036.** *ERAGROSTIS CHLOROMELAS* Steud. Boer lovegrass.

Donor's No. 708. From Iowa, U.S.A.

**276037 to 276040.** *ERAGROSTIS CURVULA* (Schrad.) Nees Weeping lovegrass.

**276037.** Donor's No. 709. Ermelo, Transvaal.

**276038.** Donor's No. 710. Witbank, Transvaal.

**276039.** Donor's No. 711. Dohne.

**276040.** Donor's No. 712. Middelburg, Cape Province.

**276041 and 276042.** *ERAGROSTIS CURVULA* var. *CONFERTA* Nees

**276041.** Donor's No. 713. Piketberg, Cape Province.

**276042.** Donor's No. 714. Porterville, Cape Province.

**276043.** *ERAGROSTIS CURVULA* var. *VALIDA* Stapf

Donor's No. 715. Rietvlei.

**276044.** *ERAGROSTIS ECHINOCHLOIDEA* Stapf

Donor's No. 716. Upington, Cape Province.

**276045 to 276048.** *ERAGROSTIS LEHMANNIANA* Nees Lehmann lovegrass.

**276045.** Donor's No. 717. Murrumbidge.

**276046.** Donor's No. 718. Gemsbok Park.

**276047.** Donor's No. 719. Vaalbank, Orange Free State.

**276048.** Donor's No. 720. Thabazimbi, Transvaal.

**276049.** *ERAGROSTIS ROBUSTA* Stent

Donor's No. 721. Worcester, Cape Province.

**276050.** *ERAGROSTIS SARMENTOSA* (Thunb.) Trin.

Donor's No. 722. DeDoorns.

**276051.** *ERAGROSTIS SUBULATA* Nees

Donor's No. 723. Dieprivier.

**276052 to 276055.** *ERAGROSTIS SUPERBA* Peyr.

**276052.** Donor's No. 724. Northam.

**276053.** Donor's No. 725. Maquassi.

**276054.** Donor's No. 726. Vaalbank, Orange Free State.

**276055.** Donor's No. 727. Fauresmith, Orange Free State.

**276056.** *ERAGROSTIS TRICHODES* (Nutt.) Wood

Donor's No. 728. From Iowa, U.S.A.

## 276023 to 276073—Continued

276057. *HORDEUM COMPRESSUM* Griseb. Poaceae.  
Donor's No. 729. Karoo.
276058. *ORYZOPSIS MILIACEA* (L.) Benth. & Hook. Poaceae.  
Donor's No. 730. Rietvlei.
276059. *PANICUM COLORATUM* L. Poaceae.  
Donor's No. 731. Makarikari, Bechuanaland.
276060. *PASPALUM NOTATUM* Fluegge Poaceae. Bahiagrass.  
Donor's No. 732. Groenkloof, Pretoria.
276061. *PENNISETUM NATALENSE* Stapf Poaceae.  
Donor's No. 733. Barberton, Transvaal.
276062. *SESAMUM TRIPHYLLUM* Welw. ex Aschers. Pedaliaceae.  
Wild type. Horns Nek siding. DL/61/747.
276063. *SORGHUM VERSICOLOR* Anderss. Poaceae. Black sudangrass.  
DL/61/746.
- 276064 to 276068. *SPOROBOLUS FIMBRIATUS* Nees Poaceae.  
276064. Donor's No. 734. Zebrapark.  
276065. Donor's No. 735. Kalahari, Bechuanaland.  
276066. Donor's No. 736. Prieska, Cape Province.  
276067. Donor's No. 737. Rustenburg, Transvaal.  
276068. Donor's No. 738. Zebediela, Transvaal.
276069. *TETRACHNE DREGEI* Nees Poaceae.  
Donor's No. 739. Grootfontein, Southwest Africa.
- 276070 to 276072. *THEMEDA TRIANDRA* Forsk. Poaceae. Rooi grass.  
276070. Donor's No. 740. Rietondale.  
276071. Donor's No. 741. Grahamstown, Cape Province.  
276072. Donor's No. 742. Koolbank.
276073. *TRIFOLIUM BURCHELLIANUM* Seringe Fabaceae.  
Donor's No. 743. Cathcart, Cape Province.

## 276074 to 276101.

From Japan. Plant material collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Numbered July 28, 1961.

276074. *ACTINIDIA KOLOMIKTA* (Maxim.) Rupr. ex Maxim. Dilleniaceae.  
Kolomikta.  
Col. No. 1042. On trees, Shikotsu-san, Hokkaido. Vine with variegated leaves, usually green, white and pink.
276075. *CLINTONIA UDENSIS* Trautv. & Mey. Convallariaceae.  
Col. No. 1046. In damp, wooded areas, Shikotsu-yama, Hokkaido. Leaves basal; fruits blue, on long stalks.
276076. *FILIPENDULA KAMTSCHATICA* (Pall.) Maxim. Rosaceae.  
Col. No. 1053. In swampy, open fields near Utabetsu, Hidaka, Hokkaido. Leaves opposite; flowers pink, in loose panicles.



## 276074 to 276101—Continued

276077. *HEMEROCALLIS MIDDENDORFII* Trautv. & Meyer Liliaceae.

Col. No. 1052. On sea cliffs, road to Cape Erimo, Hidaka, Hokkaido. Orange-flowered daylily flowering in late June and early July.

276078. *HEMEROCALLIS THUNBERGII* Baker

Col. No. 1047. Along roadside between Sapporo and Chitose, Hokkaido. Flowers lemon yellow.

276079 to 276082. *ILEX CRENATA* ssp. *RADICANS* (Nakai) Tatewaki

Aquifoliaceae.

276079. Col. No. 1044. In forest clearing, Shikotsu, Hokkaido. Elevation 500 meters. Plant pistillate, prostrate.

276080. Col. No. 1045. Cutover area, Shikotsu-san, Hokkaido.

276081. Col. No. 1056. Cutover area, full sun, along Horomon River, Mount Horo, Hidaka, Hokkaido. Prostrate form with small leaves growing as ground cover.

276082. Col. No. 1057. On Horomon, Hidaka, Hokkaido. Elevation 100 meters. Prostrate form with larger leaves than P.I. 276081.

276083 and 276084. *ILEX RUGOSA* Fr. Schmidt.

276083. Col. No. 1040. Growing on trunks of dead trees in cutover land, Shikotsu, Hokkaido. Plants prostrate; leaves rugose.

276084. Col. No. 1058. Groundcover on serpentine rock, in full sun, Horomon, Hidaka, Hokkaido. Plant prostrate; leaves small, rugose; fruit red.

276085. *ILEX SUGEROKII* Maxim.

Sugeroki holly.

Col. No. 1069. On Mount Apoi, Hokkaido. Elevation 200 meters. Evergreen plant; leaves ovate, shiny.

276086. *IRIS KAEMPFERI* Sieb. Iridaceae.

Japanese iris.

Col. No. 1054. In swampy, open field near Utabetsu, Hidaka, Hokkaido. Flowers purple.

276087. *LILIUM MACULATUM* Thunb. Liliaceae.

Col. No. 1051. On rocky cliffs near Mount Apoi, Hidaka, Hokkaido.

276088. *LILIUM MEDEOLOIDES* A. Gray

Wheel lily.

Col. No. 1061. Sunny, moist meadows, Mount Horomon, Hidaka, Hokkaido. Lowest leaves whorled; flowers small, nodding, orange.

276089. *LONICERA CAERULEA* L. Caprifoliaceae. Sweetberry honeysuckle.

Col. No. 1072. Loose, serpentine rock, Mount Apoi, Hidaka, Hokkaido. Elevation 785 meters. Plant in wild, prostrate; fruit blue, edible.

276090. *POLYGONUM* sp. Polygonaceae.

Col. No. 1062. Sunny banks along path, Mount Horomon, Hidaka, Hokkaido. Dwarf species growing as a moundlike plant; flowers small, white.

276091. *RHODODENDRON ALBRECHTII* Maxim. Ericaceae. Albrecht azalea.

Col. No. 1043. Cutover woods, Shikotsu-san. Elevation 400 meters. Flowers purple.

276092. *RHODODENDRON DAURICUM* L.

Dahurian rhododendron.

Col. No. 1065. Semishade, rocky areas, Mount Horomon, Hidaka, Hokkaido. Leaves shiny; flowers purple.

276093 to 276097. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.)

Wilson

Torch azalea.

276093. Col. No. 1039. Dense woods among bamboo thickets, Shikotsu-san, Hokkaido.

**276074 to 276101—Continued****276093 to 276097—Continued**

**276094.** Col. No. 1059. Sunny places, growing on loose, serpentine rock, Mount Horomon, Hidaka, Hokkaido.

**276095.** Col. No. 1063. Sunny location, along rocky cliffs above road-way, Mount Horomon, Hidaka, Hokkaido.

**276096.** Col. No. 1064. Lava-serpentine rock, along walls of streambed, Mount Horomon, Hidaka, Hokkaido.

**276097.** Col. No. 1071. Loose, serpentine rock, summit of Mount Apoi, Hidaka, Hokkaido. Plant prostrate, twiggy, due to alpine environment; flowers about July 1.

**276098.** RHODODENDRON sp.

No. data.

**276099.** ROSA ACICULARIS var. NIPPONENSIS (Crep.) Koehne Rosaceae.  
**Nippon pricklyrose.**

Col. No. 1060. Sunny places, along roadside, Mount Horomon, Hidaka, Hokkaido. Flowers pink; fruits oblong.

**276100.** SKIMMIA JAPONICA var. REPENS (Nakai) Thunb. Rutaceae.

Col. No. 1041. Ground cover in shady forest, Shikotsu, Hokkaido.

**276101.** VERATRUM JAPONICUM (Baker) Loes. Melanthiaceae.

Col. No. 1066. Bog plant, Mount Apoi, Hidaka Range, Hokkaido. Flowers dark purplish red on spikes two feet long.

**276102.** VIGNA SINENSIS (Torner) Savi Fabaceae. **Cowpea.**

From France. Seeds presented by the Laboratoires de Recherche du Service de Sante des Troupes d'Outre-Mer, Marseille. Received August 1, 1961.

**276103 and 276104.** SOLANUM MELONGENA L. Solanaceae.  
**Eggplant.**

From the Republic of South Africa. Seeds presented by the Department of Agriculture, Durban. Received August 1, 1961.

Bacterial wilt resistant.

**276103.** 'Kopek'.

**276104.** 'Motale'.

**276105 to 276108.** ARACHIS HYPOGAEA L. Fabaceae. **Peanut.**

From the Republic of South Africa. Seeds presented by the Division of Crops and Pastures, Department of Agriculture, Pretoria. Received August 1, 1961.

**276105.** DL/61/790. 'Mwitunde'.

**276106.** DL/61/791. 'P. 5044 Chilimbana Mayoba'. Seeds large.

**276107.** DL/61/792. P. 4750 43 G 90a.

**276108.** DL/61/793. 'White Decumbent'.

**276109 to 276115.**

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received August 1, 1961.

**276109 and 276110.** CLINTONIA UDENSIS Trautv. & Mey. Convallariaceae.

**276109.** Col. No. 1050. Damp, shady, conifer forest, Shikotsu, Hokkaido. Plant in wild, liliaceous; leaves basal, fleshy; fruit on long stalks, blue.

**276110.** Col. No. 1068. Open, boggy areas, Mount Apoi, Hidaka, Hokkaido. Plant in wild, liliaceous; leaves basal; fruit blue, on spikes to 12 inches high.

**276109 to 276115—Continued**

**276111.** *HEMEROCALLIS MIDDENDORFII* Trautv. & Meyer Liliaceae.

Col. No. 1070. Heavy muck soil, Mount Apoi, Hidaka, Hokkaido. Elevation 1,300 feet. Plant in wild; flowers clear orange, June.

**276112.** *ILEX CRENATA* ssp. *RADICANS* (Nakai) Tatewaki Aquifoliaceae.

Col. No. 1049. Cutover area, Shikotsu Mountain, Hokkaido. Elevation 1,300 feet. Plant in wild, low growing, evergreen; fruit black.

**276113.** *IRIS KAEMPFERI* Sieb. Iridaceae. **Japanese iris.**

Col. No. 1055. Wet, open, meadow near Utabetsu, Hidaka, Hokkaido. Plant in wild.

**276114.** *LONICERA CAERULEA* L. Caprifoliaceae. **Sweetberry honeysuckle.**

Col. No. 1072. Loose, serpentine rock, Mount Apoi, Hidaka, Hokkaido.

**276115.** *SAMBUCUS BUERGERIANA* Blume Caprifoliaceae.

Col. No. 1067. Along road, Mount Horomon. Elevation 1,300 feet. Shrub to six feet high in wild; fruit bright red, in heavy terminal clusters, edible.

**276116 to 276144.**

From Japan. Plants, cuttings and scions collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received August 1, 1961.

**276116.** *AUCUBA JAPONICA* var. *BOREALIS* Miyabe & Kudo Cornaceae.

Col. No. 1073. Along shady, moist path, Gamushi National Forest, Oshima, Hokkaido. Plant low growing; fruit bright red, ovate.

**276117.** *CALANTHE DISCOLOR* Lindl. Orchidaceae. **Orchid.**

Col. No. 1080. In Gamushi National Forest, Oshima, Hokkaido. Flowers yellow, on stalk to 10 inches high.

**276118 to 276121.** *CAMELLIA JAPONICA* L. Theaceae. **Common camellia.**

**276118.** Col. No. 1084. 'Beni Tsubake'. Matsumae Castle garden, Matsumae, Hokkaido. Flowers pink, May.

**276119.** Col. No. 1083. Matsumae Castle garden, Matsumae, Hokkaido. Flowers double, pink.

**276120.** Col. No. 1085. Matsumae Castle garden, Matsumae, Hokkaido. Flowers double, white.

**276121.** Col. No. 1086. 'Osotake'. Matsumae Castle garden, Matsumae, Hokkaido. Flowers double, pink, May.

**276122.** *EUONYMUS JAPONICUS* L. f. Celastraceae. **Evergreen burningbush.**

Col. No. 1087. Matsumae Castle garden, Matsumae, Hokkaido. Evergreen shrub or small tree, usually cultivated in southern Japan.

**276123 to 276126.** *HEMEROCALLIS MIDDENDORFII* Trautv. & Meyer Liliaceae.

**276123.** Col. No. 1094. Along seacoast near Esaisi, Oshima, Hokkaido. Flowers yellow.

**276124.** Col. No. 1095. Along seacoast near Esaisi, Oshima, Hokkaido. Flowers orange.

**276125.** Col. No. 1096. Along seacoast near Esaisi, Oshima, Hokkaido. Flowers six inches across.

**276126.** Col. No. 1097. Along seacoast near Esaisi, Oshima, Hokkaido. Several flowers open at one time, in cluster.



## 276116 to 276144—Continued

276127. *HYDRANGEA SERRATA* f. *ACUMINATA* (Sieb. & Zucc.) Wils.  
Hydrangeaceae.

Col. No. 1088. *Cryptomeria* forest, Matsumae, Hokkaido. Fertile and outer sterile florets blue.

276128 and 276129. *ILEX CRENATA* ssp. *RADICANS* (Nakai) Tatewaki  
Aquifoliaceae.

276128. Col. No. 1076. Gamushi National Forest, Oshima, Hokkaido.  
A low-growing, evergreen holly; fruit black.

276129. Col. No. 1102. Beech forest, Enosato Regional Forest, Oshima,  
Hokkaido. Plant prostrate; fruit black.

276130 to 276133. *ILEX LEUCOCLADA* Makino.

276130. Col. No. 1098. Semi-shade, beech forest, Enosato Regional For-  
est, Oshima, Hokkaido. Leaves narrow, ovate; fruit red.

276131. Col. No. 1100. *Cryptomeria* forest along seacoast, Matsumae  
Forestry Region, Oshima, Hokkaido.

276132. Col. No. 1099. Semi-shade, among beeches, Enosato Regional  
Forest, Oshima, Hokkaido.

276133. Col. No. 1077. Gamushi National Forest, Oshima, Hokkaido.  
Evergreen holly; fruit red; Northern limit of distribution.

276134. *ILEX SUGEROKI* Maxim.

Sugeroki holly.

Col. No. 1103. On Mount Esan, Hakkodate, Hokkaido. Plants to four  
feet high in this locality.

276135. *LILIUM MEDEOLOIDES* A. Gray Liliaceae.

Wheel lily.

Col. No. 1078. Gamushi National Forest, Oshima, Hokkaido. Flowers  
orange, either with or without small dark spots.

276136 to 276140. *PRUNUS SERRULATA* Lindl. Amygdalaceae.

Oriental flowering cherry.

Matsumae Castle garden, Matsumae, Hokkaido.

276136. Col. No. 1090. 'Matsumae Hiyazaki'. Flowers double, pink.

276137. Col. No. 1089. 'Tao Yamae Zakura'. Flowers double, light  
purple.

276138. Col. No. 1091. 'Okuruma Gaishi'. Flowers double, pink.

276139. Col. No. 1092. Flowers double, pink.

276140. Col. No. 1093. Flowers double, light pink.

276141 and 276142. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.)  
Wilson Ericaceae.

276141. Col. No. 1081. Gamushi National Forest, Oshima, Hokkaido.  
Flowers red.

276142. Col. No. 1106. Along streambed, Mount Esan, Hakkodate,  
Hokkaido.

276143 and 276144. *SKIMMIA REPENS* Nakai Rutaceae.

276143. Col. No. 1079. Gamushi National Forest, Ashima, Hokkaido.  
Evergreen species; fruit red, in clusters. This is northern limit of  
distribution.

276144. Col. No. 1101. Among beeches, Enosato Regional Forest.

276145. *CERCIS SILIQUASTRUM* L. Caesalpiniaceae. Judas-tree.

From Israel. Seeds presented by the Department of Horticulture, Ministry  
of Agriculture, Jerusalem. Received August 2, 1961.

Plants in wild in maqui.

**276146 to 276153. GOSSYPIUM BARBADENSE L. Malvaceae.**  
**Sea-island cotton.**

From Bolivia. Seeds presented by the United States Operations Mission, LaPaz. Received August 3, 1961.

Carapari del Rio Grande, Province Oropeza, Dept. de Chuquisaca. Elevation 2,000 meters. In dry, tropical area.

276146. No. 1. Cotton white.

276147. No. 2. Cotton brownish.

276148. No. 3. Sotomayor, Province de Yamparaez, Dept. de Chuquisaca. Elevation 2,300 meters. Area subtropical, dry. Cotton white.

276149. No. 4. Tomina, Province de Tomina, Dept. de Chuquisaca. Elevation 2,500 meters. Area subtropical, dry. Cotton white.

276150. No. 5. San Pedro, Province Azurduy, Dept. de Chuquisaca. Elevation 2,000 meters. Area subtropical, dry. Cotton white.

276151. No. 6. Soroma, Province Zudanez, Dept. de Chuquisaca. Elevation 2,000 meters. Area tropical, dry. Cotton white and brownish.

276152. No. 7. Naranjito, Province Nuplo de Chavez. Elevation 700 meters. Cotton white.

276153. No. 8. El Torno, San Javier, Santa Cruz. Elevation 700 meters. Cotton white.

**276154. ORYZA SATIVA L. Poaceae. Rice.**

From Surinam. Seeds presented by H. den Have, Nickerie. Received August 3, 1961.

**276155. BISERRULA PELECINUS L. Fabaceae.**

From Israel. Seeds presented by the Agricultural Research Service, Rehovot. Received August 3, 1961.

Collected near Yechiam. Soil heavy alluvium; average annual rainfall 900 mm.

**276156 to 276158.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received August 3, 1961.

276156. *HIBISCUS FARRAGEI* F. Muell. Malvaceae.

276157. *HIBISCUS HUEGELII* Endl.

276158. *HIBISCUS TOLDSWORTHII* F. Muell.

**276159 to 276165.**

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received August 3, 1961.

276159 and 276160. *AUCUBA JAPONICA* var. *BOREALIS* Miyabe & Kudo  
 Cornaceae.

276159. Col. No. 1074. Gamushi National Forest, Oshima, Hokkaido. Plant in wild, low growing, at the northern limit of distribution.

276160. Col. No. 1107. Beech forest, Enosoto Forest Region, Oshima, Hokkaido.

276161. *DAPHNE MIYABEANA* Makino Thymelaceae.

Col. No. 1075. Gamushi National Forest, Oshima, Hokkaido. Dwarf evergreen in wild; fruit in pairs, bright red.

**276159 to 276165—Continued**

**276162.** *ILEX CRENATA* ssp. *RADICANS* (Nakai) Tatewaki Aquifoliaceae.

Col. No. 1105. Open mountain meadow, highly sulphureous area, Mount Esan, Hakkodate, Hokkaido. Plant in wild.

**276163 and 276164.** *ILEX SUGEROKII* Maxim. **Sugeroki holly.**

**276163.** Col. No. 1103. Highly sulphureous soil, Hakkodate, Hokkaido. Elevation 400 meters. Plant in wild, growing to four feet high.

**276164.** Col. No. 1104. Open alpine meadow, Mount Esan, Hakkodate, Hokkaido. Elevation 400 meters. Plant in wild.

**276165.** *PRUNUS* sp. Amygdalaceae.

Col. No. 1082. Gamushi Forest Station, Oshima, Hokkaido. Cultivated cherry raised from seed; fruits black, size of small commercial variety.

**276166 to 276177. SACCHARUM (hybrids). Poaceae. Sugarcane.**

From India. Cuttings presented by the Sugar Cane Breeding Institute, Coimbatore. Received August 3, 1961.

**276166.** SES 33. **276172.** SES 96C.

**276167.** SES 44A. **276173.** SES 120A.

**276168.** SES 80B. **276174.** SES 129C.

**276169.** SES 73. **276175.** SES 135.

**276170.** SES 85B. **276176.** SES 288.

**276171.** SES 85C. **276177.** SES 309.

**276178 to 276180. SACCHARUM (hybrids). Poaceae. Sugarcane.**

From Pakistan. Cuttings presented by the Fauji Sugar Mills Farm, Nukarji, Tando Mohd, Khan. Received August 3, 1961.

**276178.** CO-421.

**276179.** CO-421.

**276180.** CO-421.

**276181. PRUNUS PERSICA (L.) Batsch Amygdalaceae. Peach.**

From New Zealand. Trees presented by the Fruit Research Section, Scientific and Industrial Research Division, Auckland. Received August 8, 1961.

'Black Boy'.

**276182 to 276185. PHASEOLUS LATHYROIDES L. Fabaceae.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received August 8, 1961.

**276182.** No. 1.

**276183.** No. 2. Beemah, Queensland.

**276184.** No. 3. C.P.I. 17032. From New Guinea.

**276185.** No. 4. Samford, Queensland.

**276186 to 276191.**

From Great Britain. Plants presented by N. T. Hollerith, Caernarvonshire, Wales. Received July 18, 1961. Numbered August 8, 1961.

**276186.** *ASPLENIUM TRICHOMANES* L. Polypodiaceae.

**276187.** *BLECHNUM SPICANT* With. Polypodiaceae.



**276186 to 276191—Continued**

276188 to 276190. *POLYPODIUM VULGARE* L. Polypodiaceae.

276188. "A".

276189. "B".

276190. "C".

276191. (Undetermined.) Polypodiaceae.

**276192. DEGENERIA VITIENSIS** I. W. Bail. & A. C. Smith  
Degeneriaceae.

From Fiji. Seeds presented by the Department of Agriculture, Suva. Numbered August 8, 1961.

**276193. FESTUCA RUBRA** var. *HETEROPHYLLA* (Lam.) Mutel  
Poaceae.

From Yugoslavia. Seeds held in storage at the Regional Plant Introduction Stations, Ames, Iowa, and Geneva, New York. Numbered August 10, 1961.

A component of P.I. 251135, *F. ovina* var. *duriscula*.

**276194 to 276235.**

From Brazil, unless otherwise noted. Plants collected by W. C. Gregory, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered August 8, 1961.

**276194. ARACHIS GUARANITICA** Chod. & Hasse. Fabaceae. **Peanut.**

Col. No. 87. One km. north of the Rio Amambay, Ponta Pora-Amambay road. Erect perennial in wild; leaves trifoliate; roots tuberous.

**276195 to 276197. ARACHIS LUTESCENS** Krapovickas & Rigionia. **Peanut.**

276195. Col. No. 15. Growing among stones, base of hill near Rio Piracanjuba, between Morrinhos and Caldas Novas, Goias. Prostrate perennial in wild; roots tuberous.

276196. Col. No. 17. Growing among stones near gulley leading into stream, road between Caldas and Piracanjuba, Goias.

276197. Col. No. 18. Sandy, stony roadside, near stream, between Rio Piracanjuba and Piracanjuba, road from Caldas Novas. Prostrate perennial, in wild; roots tuberous.

**276198. ARACHIS MARGINATA** Gardn. **Peanut.**

Col. No. 36. Deep sandy soil, grassy basin, 30 km. east of Dianopolis, Goias. Erect perennial in wild; pegs horizontal; roots like *A. prostrata*, highly individualistic, tuberous; leaves strongly margined.

**276199. ARACHIS REPENS** Handro **Peanut.**

Col. No. 49. From area sometimes inundated by water. Presented by the Experiment Station, Instituto Agronomico de Oeste, Sete Lagoas, Minas Gerais. Prostrate perennial in wild, in dense mats, rooting from the nodes; taprooted; flowers lemon yellow; fruits rare.

**276200. ARACHIS** sp.

Col. No. 2. Deep red soil, Palnura, Minas Gerais, across the Rio Grande from Minas Gerais Triangulo. Rhizomatous perennial in wild.

**276201. ARACHIS** sp.

Col. No. 3. Rio Perepati, Bolivia. Prostrate perennial in wild; taprooted.

**276194 to 276235—Continued****276202. ARACHIS sp.**

Col. No. 5. Dark red soil, Campinopolis, near Ituiutaba, Minas Gerais. Rhizomatous perennial in wild.

**276203. ARACHIS sp.**

Col. No. 6. Pondsides, in volcanic muck and gravel, Fazenda Santa Teresinha, near Campinopolis, Minas Gerais. Prostrate perennial in wild; roots tuberous.

**276204. ARACHIS sp.**

Col. No. 11. Deep red soil, Mato Cerrado near Stumbiara, Goiás. Delicate wild perennial; stem single, erect; leaves wooly; roots tuberous.

**276205. ARACHIS sp.**

Col. No. 25. Heavy clay bottom land, near stream, 10 km. from Trairas River, 15 km. south of Niquelandia, Goiás. Prostrate perennial in wild; roots tuberous.

**276206. ARACHIS sp.**

Col. No. 26. Heavy clay soil, near stream, 3 km. south of the Rio Maranhão, Niquelandia-Corumbá road, Goiás. Prostrate perennial in wild; roots tuberous, rooting from pegs.

**276207. ARACHIS sp.**

Col. No. 33. Grassy meadow, near trees and small lake, 15 km. south of Ceres, Goiás-Anápolis road. Prostrate perennial in wild; roots tuberous.

**276208. ARACHIS sp.**

Col. No. 65. Sandy red soil, 10 km. west of Douradinha, Mato Grosso. Erect perennial in wild.

**276209. ARACHIS sp.**

Col. No. 70. Sandy red soil, 45 km. west of Douradinha, Mato Grosso. Erect perennial in wild.

**276210. ARACHIS sp.**

Col. No. 72. Sandy red soil, 40 km. east of Entrecamienio. Erect perennial in wild.

**276211. ARACHIS sp.**

Col. No. 73. Sandy red soil 9 km. east of Entrecamienio, Mato Grosso, Porto XV Noviembre-Rio Brillante road. Perennial in wild; leaf margins strong.

**276212. ARACHIS sp.**

Col. No. 74. Heavy red soil, among scattered trees, 5 km. southwest of Rio Brillante, Dourados road, Mato Grosso. Erect perennial in wild.

**276213. ARACHIS sp.**

Col. No. 75. Five km. southwest of Rio Brillanté, Dourados road, Mato Grosso. Rhizomatous perennial in wild.

**276214. ARACHIS sp.**

Col. No. 76. Heavy red soil, among scattered trees, 5 km. northeast of Dourados, Rio Brillante road, Mato Grosso. Erect perennial in wild.

**276215. ARACHIS sp.**

Col. No. 77. Heavy red soil, 28 km. southwest of Dourados, Ponta Pora road, Mato Grosso. Erect perennial in wild.

## 276194 to 276235—Continued

## 276216. ARACHIS sp.

Col. No. 78. Heavy red soil, 28 km. southwest of Dourados, Ponta Pora road, Mato Grosso. Rhizomatous perennial in wild; branches short, erect; leaves appressed to soil; rhizomes shallow.

## 276217. ARACHIS sp.

Col. No. 79. In high grass, bordering open trees, Finca Elvira, 43 km. northwest of Ponta Pora, Mato Grosso. Rhizomatous perennial in wild; branches erect; leaves appressed to soil; flowers yellow with orange border on standard; rhizomes shallow.

## 276218. ARACHIS sp.

Col. No. 80. Heavy red soil, in high grass bordering trees, Estancia San Luis, 40 km. northwest of Ponta Pora. Rhizomatous perennial in wild; branches erect; leaves appressed to soil; rhizomes shallow.

## 276219. ARACHIS sp.

Col. No. 81. Heavy red soil, in high grass bordering trees, Estancia San Luis, 40 km. northwest of Ponta Pora. Rhizomatous perennial in wild; branches erect; leaves appressed to soil; rhizomes shallow.

## 276220. ARACHIS sp.

Col. No. 82. In grass, bordering shrubs and trees, near Estancia San Luis, 40 km. northwest of Ponta Pora. Erect perennial in wild.

## 276221. ARACHIS sp.

Col. No. 83. In grass, bordering shrubs and trees, near Estancia San Luis, 40 km. northwest of Ponta Pora. Rhizomatous perennial in wild; branches ascending.

## 276222. ARACHIS sp.

Col. No. 84. Deep red soil, one km. north of Rio Amambay, Ponta Pora road. Rhizomatous perennial in wild; branches erect; leaves appressed to soil; rhizomes shallow.

## 276223. ARACHIS sp.

Col. No. 85. Deep red soil, one km. north of Rio Amambay, Ponta Pora road. Rhizomatous perennial in wild; branches semi-ascending; rhizomes shallow.

## 276224. ARACHIS sp.

Col. No. 86. Deep red soil, one km. north of Rio Amambay, Ponta Pora road. Rhizomatous perennial in wild; branches ascending.

## 276225. ARACHIS sp.

Col. No. 89. Sandy red soil, 48 km. west of Ponta Pora, Concepcion road, Paraguay. Erect perennial in wild; taprooted.

## 276226. ARACHIS sp.

Col. No. 90. Sandy red soil, 48 km. west of Ponta Pora, Concepcion road, Paraguay. Rhizomatous perennial in wild.

## 276227. ARACHIS sp.

Col. No. 91. Sandy red soil, in meadow, 54 km. west of Ponta Pora, Concepcion road, Paraguay. Erect perennial in wild.

## 276228. ARACHIS sp.

Col. No. 92. Sandy red soil, 62 km. west of Ponta Pora, Concepcion road, Paraguay. Erect perennial in wild.

## 276229. ARACHIS sp.

Col. No. 94. Sandy red soil, 70 km. west of Ponta Pora, Concepcion road, Paraguay. Erect perennial in wild.



**276194 to 276235—Continued****276230. ARACHIS sp.**

Col. No. 96. Sandy white soil, 2 km. west of Nu Pora, Concepcion road, Paraguay. Erect perennial in wild.

**276231. ARACHIS sp.**

Col. No. 97. Sandy red soil, Nu Pora, 100 km. west of Ponta Pora, Concepcion road, Paraguay. Erect perennial in wild.

**276232. ARACHIS sp.**

Col. No. 99. Sandy red soil, Nu Para, 100 km. west of Ponta Pora, Paraguay. Erect perennial in wild.

**276233. ARACHIS sp.**

Col. No. 101. Sandy red soil, 10 km. west of Harqueta, Ponta Pora-Concepcion road, Paraguay. Rhizomatous perennial in wild.

**276234. ARACHIS sp.**

Col. No. 102. In closely grazed pasture, 2 km. northeast of Concepcion, Paraguay, at edge of suburbs. Prostrate perennial in wild; leaves small; flowers with orange standards; taproot.

**276235. ARACHIS sp.**

Col. No. 103. Dense mats in dark sandy loam, over limestone, football field and along railroad, Puerta Casado, Paraguay. Prostrate perennial in wild; standards orange; pegs horizontal; leaves lanceolate; taproot.

**276236 to 276238. SACCHARUM (hybrids). Poaceae. Sugarcane.**

From Tanganyika. Cuttings presented by the Tanganyika Planting Company, Limited, Moshi. Received August 8, 1961.

276236. CO. 421.

276237. CO. 421.

276238. CO. 421.

**276239. ALLIUM SATIVUM L. Liliaceae.****Garlic.**

From Chile. Bulbs presented by the United States Operations Mission, Santiago. Received August 9, 1961.

**276240 to 276255.**

From Uruguay. Seeds collected by Eduardo Bello, Montevideo, and presented by G. W. Burton, Tifton, Georgia. Numbered August 9, 1961.

**276240 and 276241. PASPALUM ALMUM Chase Poaceae.**

276240. Col. No. P-1.

276241. Col. No. P-2.

**276242 and 276243. PASPALUM CROMYORRHIZON Trin. ex Doell**

276242. Col. No. P-3.

276243. Col. No. P-4.

**276244 and 276245. PASPALUM DISTICHUM L.**

276244. Col. No. P-6.

276245. Col. No. P-7.

**276246 and 276247. PASPALUM GUARANITICUM Parodi**

276246. Col. No. P-10.

276247. Col. No. P-11.

## 276240 to 276255—Continued

276248 and 276249. *PASPALUM NICORAE* Parodi

276248. Col. No. P-18.

276249. Col. No. P-19.

276250 and 276251. *PASPALUM NOTATUM* Fluegge

Bahia grass.

276250. Col. No. P-16.

276251. Col. No. P-17.

276252. *PASPALUM PANICULATUM* L.

Col. No. P-21.

276253. *PASPALUM PLICATULUM* Michx.

Black grass.

Col. No. P-23.

276254. *PASPALUM QUADRIFARIUM* Lam.

Col. No. P-27.

276255. *PASPALUM URVILLEI* Steud.

Vasey grass.

Col. No. P-30.

276256. *MALUS SYLVESTRIS* Mill. Malaceae.

From the Republic of South Africa. Cuttings presented by the Botanic Gardens, Pietermaritzburg, Natal. Received August 10, 1961.

‘Tropical Beauty’.

## 276257 to 276273.

From Hong Kong. Plant material collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Numbered August 10, 1961.

276257. *RHODODENDRON FARRERAE* Tate ex Sweet Ericaceae.

From Victoria peak. Cuttings.

276258 and 276259. *RHODODENDRON SIMSII* Planch.

From the Hong Kong Botanic Garden. Cuttings.

276258. Early flowering.

276259. Late flowering.

276260 to 276273. *ELEOCHARIS DULCIS* (Burm. f.) Trin. Cyperaceae.

Water nut.

Corms of selected types from Dept. of Agriculture and Forestry, North Kowloon Magistracy, Taipo Road.

276260. No. 1. From Lee Hou.

276261. No. 2. From Tam Cheung, Matin Village Yuen Long.

276262. No. 3. From Jan Jubg, Tai Tong Village, Yuen Long.

276263. No. 4. From Ho Sun Wah.

276264. No. 5. From Tung Chun Co., Pak Sha Village, Yuen Long.

276265. No. 6. From Kwong Sang Cheong Co., Ma Tin Village, Yuen Long.

276266. No. 7. From Mr. Lau Kwai Woo, Pak Sha Village, Yuen Long.

276267. No. 8. From Mr. Kwok Yau Lun, Pak Sha Village, Yuen Long.

276268. No. 9. From Chan Wan, Pak Sha Village, Yuen Long.

## 276257 to 276273—Continued

## 276260 to 276273—Continued

276269. No. 10. From Chin Tak Ngen.  
 276270. No. 11. From Mr. Chan Man.  
 276271. No. 12. From Mr. Yun Chung Wing.  
 276272. No. 13. From Hon Tak Co.  
 276273. No. 14. From Mr. Lee Hon.

## 276274 to 276297.

From Japan. Plant material collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received August 10, 1961.

276274. *BUXUS MICROPHYLLA* Sieb. & Zucc. Buxaceae.

Col. No. 893. 'Suffruticosa'. Hakone Shrine, Motohakone.

276275 to 276280. *ERIOBOTRYA JAPONICA* (Thunb.) Lindl. Malaceae.

Loquat.

Scions of improved varieties from the Horticultural Division, Tokai-Kinki Agricultural Experiment Station, Okitsu.

276275. 'Kanton'.

276276. 'Kusunki'.

276277. 'Mizuho'.

276278. 'Nojima-wase'.

276279. 'Toi'.

276280. 'Tsukumo'.

276281. *IRIS GRACILIS* Maxim. Iridaceae.

Col. No. 897. Hakone Shrine, Motohakone.

276282 and 276283. *MENZIESIA MULTIFLORA* var. *PURPUREA* (Makino) Ohwi  
Ericaceae.

276282. Col. No. 896A. Oowakudani.

276283. Col. No. 896. Mount Kamigama, Hakone.

276284 to 276287. *PRUNUS PERSICA* (L.) Batsch. Amygdalaceae. Peach.

Scions of canning varieties from the Horticultural Department, National Institute of Agricultural Sciences, Hiratsuka.

276284. 'Kanto 2'.

276286. 'Kanto 12'.

276285. 'Kanto 5'.

276287. 'Kanto 14'.

276288. *RHODODENDRON INDICUM* (L.) Sweet Ericaceae.

'Tanima-no-yuki'. Horticultural Division, Kyushu Agricultural Experiment Station, Kurume.

276289. *RHODODENDRON OBTUSUM* var. *KAEMPFERI* (Planch.) Wilson

Col. No. 895. Near Lake Ashinoko, Hakone.

276290 and 276291. *RHODODENDRON PULCHRUM* var. *CALYCINUM* (Lindl.)  
Rehd.

From the Horticultural Division, Kyushu Agricultural Experiment Station, Kurume.

276290. 'Akebono'.

276291. 'Shirotae'.



**276274 to 276297—Continued**

**276292 and 276293.** *RHODODENDRON TANAKAE* (Maxim.) Ohwi

Mount Komagatake, Hakone.

**276292.** Col. No. 899.

**276293.** Col. No. 899A. Cuttings.

**276294.** *RHODODENDRON WADANUM* Makino

Col. No. 902. Mount Kamiyama, Hakone.

**276295 and 276296.** *ROSA HIRTULA* (Regel) Nakai Rosaceae.

**276295.** Col. No. 905. Mount Komagatake, Hakone.

**276296.** Col. No. 906. Mount Kamiyama, Hakone.

**276297.** *ROSA LUCIAE* var. *FUJISANENSIS* Makino

Col. No. 900. Mount Komagatake, Hakone.

**276298.** *PHASEOLUS VULGARIS* L. Fabaceae.

From the United States. Seeds presented by Robson Quality Seeds, Incorporated, Hall, New York. Received August 10, 1961.

'Indian'. Strong climbing pole bean. Origin unknown but known as 'Indian' bean for many years. Seeds small, roundish, mottled, dark brown on light tan.

**276299.** *MALUS SYLVESTRIS* Mill. Malaceae.

From New Zealand. Scions presented by the Scientific and Industrial Research Organization, Plant Disease Division, Auckland. Received August 11, 1961.

'Freyberg'. "Distribution restricted. Patent rights are held by the New Zealand Fruitgrowers' Federation Limited and no distribution should be made without prior permission".

**276300.** *ALLIUM* sp. Liliaceae.

From Iran. Bulbs presented by Mr. Beckman, address unknown. Collected in Elburs Mountains, about 40 km. northeast of Tehran. Elevation 2,300 meters. Received August 14, 1961.

**276301 to 276316.**

From Brazil, unless otherwise noted. Seeds collected by W. C. Gregory, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered August 14, 1961.

**276301 and 276302.** *ARACHIS GLABRATA* Benth. Fabaceae.

**276301.** Col. No. 61A. In limestone loam, outskirts of Corumba, Mato Grosso. Semi-erect perennial in wild; flower standards orange, wings yellow; pegs shortened, located near main axis.

**276302.** Col. No. 61B. Location same as P.I. 276301. Prostrate perennial in wild; flower standards orange; wings yellow; pegs normal length, semihorizontal.

**276303 to 276306.** *ARACHIS GLABRATA* var. *HAGENBECKII* (Harms) F. J. Hermann

**276303.** Col. No. 52. Deep sandy loam near Xovatina, Mato Grosso. Erect perennial in wild; taproot fleshy.

**276304.** Col. No. 54. In heavy soil, 48 km. north of Campo Grande, road to Cuiaba, Mato Grosso. Erect perennial in wild; taprooted.

## 276301 to 276316—Continued

## 276303 to 276306—Continued

276305. Col. No. 55. Soil sandy, 54 km. north of Campo Grande, road to Cuiaba, Mato Grosso. Erect, pubescent, perennial in wild; taprooted.

276306. Col. No. 60. Wet, alkaline soil, airport, Corumba, Mato Grosso. Erect perennial in wild; flowers in crown and branches; taprooted.

276307 and 276308. *ARACHIS LUTESCENS* Krapovickas & Rigionia

276307. Col. No. 19. Sandy roadside, near stream, between Rio Piracanjuba and Piracanjuba, Caldas Novas road. Prostrate perennial in wild; roots tuberous. Seeds from P.I. 276197.

276308. Col. No. 59. Ten km. north of Cuiaba, Rosaria Oeste road, Mato Grosso. Prostrate perennial in wild; flowers red veined on back of standards; roots tuberous.

276309. *ARACHIS* sp.

Col. No. 7. Pondsides, in volcanic muck and gravel, Fazenda Santa Teresinha, near Campinopolis, Minas Gerais. Prostrate perennial; roots tuberous. Seeds from P.I. 276203.

276310. *ARACHIS* sp.

Col. No. 12. Deep red soil, Mato Cerrado, near Stumbiara, Goias. Delicate perennial in wild; stem single, erect; leaves woolly; roots tuberous. Seeds from P.I. 276204.

276311. *ARACHIS* sp.

Col. No. 34. In meadow near lake, 15 km. south of Ceres, Goias-Anapolis road. Prostrate perennial in wild; roots tuberous.

276312. *ARACHIS* sp.

Col. No. 39. Between Barreiras and Brasilia. Prostrate perennial in wild; veins on back of standards red; roots tuberous; pegs with roots.

276313. *ARACHIS* sp.

Col. No. 50. Red sandy soil, 6.5 km. from ferry, Rio Pardo, Gataguacaxovatina road, Mato Grosso. Erect perennial in wild; roots tuberous.

276314. *ARACHIS* sp.

Col. No. 51. Deep sandy loam, near Xovatina, Mato Grosso. Erect perennial in wild; taprooted and tuberous rooted.

276315. *ARACHIS* sp.

Col. No. 53. Near meat packing plant, 7 km. south of Campo Grande, Mato Grosso. Erect perennial in wild; taprooted.

276316. *ARACHIS* sp.

Col. No. 56. In gravel, 190 km. north of Campo Grande, road to Cuiaba, Mato Grosso. Plant in wild.

## 276317 to 276323.

From the Republic of South Africa. Plants purchased from Starke-Ayres, Mowbray, Cape Province. Received August 15, 1961.

276317 to 276320. *HIBISCUS SYRIACUS* L. Malvaceae. Shrub-althea.

276317. 'La Fleur'.

276319. 'Mauve Queen'.

276318. 'Leopoldii Plena'.

276320. 'Snow Queen'.

276321. *HOLMSKIOLDIA SANGUINEA* Retz. Verbenaceae.

'Apricot'.

276322. *HOLMSKIOLDIA SPECIOSA* Hutch. & Corb.276323. *MALVAVISCUS* sp. Malvaceae.

**276324 to 276327.**

From Norway. Seeds presented by the Norges Landbrukshogskole, Vollebakk. Received August 16, 1961.

**276324. ALLIUM CEPA L. Liliaceae. Onion.**

'Rijnsburger St. 240'. Bulb yellow skinned, early maturing, keeping qualities good. Commonly used for direct field planting. Originally from Denmark.

**276325. DAUCUS CAROTA L. Apiaceae. Carrot.**

'Nantes Ndr. Munkegaard II'. Forced in cold frames and plastic houses and used for bunching and winter storage. Originally from Denmark.

**276326. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**

'Norderas Busk'. Early bush tomato; fruits smooth, uniform ripening.

**276327. PHASEOLUS VULGARIS L. Fabaceae.**

'Carlos Favorit' (Syn: 'Ohlseni'). A green snap bean; seeds black. Originally from Denmark.

**276328 to 276337.**

From Brazil, Paraguay and Peru. Seeds collected by W. C. Gregory, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received August 16, 1961.

From Paraguay unless otherwise noted.

**276328 to 276330. ANNONA CHERIMOLA Mill. Annonaceae. Cherimoya.**

**276328.** Col. No. 107. Purchased in Juliaca, Peru. Plant cultivated; fruit small, semismooth.

**276329.** Col. No. 108. Purchased in Cajamarca, Peru. Plants cultivated; fruits mixed types.

**276330.** Col. No. 109. Purchased in Cajamarca, Peru. Plant cultivated; fruits large, knobby.

**276331. ANNONA sp.**

Col. No. 71. Red soil, 50 km. east of Entrecamiente, Mato Grosso, Porto XV Novembre road, Brazil. Low evergreen shrub in wild; flowers pale pink, fleshy; fruits large, many seeded.

**276332. ANNONA sp.**

Col. No. 93. Red soil, Arroyo Ypita V, 64 km. west of Ponta Pora. Low evergreen shrub in wild; leaves stiff; flowers pale pink, fleshy; fruits large, many seeded.

**276333. ANNONA sp.**

Col. No. 98. Sandy soil, Nu Pora, 100 km. west of Ponta Pora, Concepcion road. Low evergreen shrub in wild.

**276334. ANNONA sp.**

Col. No. 100. Red sand, 124 km. west of Ponta Pora, Concepcion road. Low evergreen shrub in wild.

**276335 and 276336. HIBISCUS SABDARIFFA L. Malvaceae. Roselle.**

**276335.** Col. No. 48. Experiment Station, 12 km. east of Sete Lagoas, Minas Gerais, Belo Horizonte road, Brazil. Cultivated annual to 2 meters high; calyces fleshy, brilliant red, used to make a sauce.

**276336.** Col. No. 13. Between Morrinhos and the Rio Piracanjuba, Goias, Brazil. Annual; cultivated ornamental; flowers purple.



## 276328 to 276337—Continued

276337. *HIBISCUS FURCELLATUS* Desf.

Col. No. 47. Rocky slope, brown soil; near water, Mendanha, Minas Gerais, Brazil. Perennial herb in wild; leaves light green, pubescent, semicordate; flowers large, pink.

276338. *PRUNUS AVIUM* L. Amygdalaceae. Sweet cherry.

From Great Britain. Budsticks presented by the John Innes Horticultural Institute, Bayfordbury, Hertford, England. Received August 17, 1961.

'Merton's Glory'.

## 276339 to 276345.

From Hong Kong. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received August 17, 1961.

From the Botanical Garden.

276339. *ILEX ASPRELLA* Champ. ex Benth. Aquifoliaceae.276340. *ILEX PUBESCENS* Hook. & Arn.276341. *ILEX ROTUNDA* Thunb.276342. *ILEX TRIFLORA* var. *VIRIDIS* Loes.276343. *RHODODENDRON SIMSII* Planch. Ericaceae.276344. *SYMPLOCOS CRASSIFOLIA* Benth. Symplocaceae.276345. *SYMPLOCOS LANCIFOLIA* Sieb. & Zucc.276346. *BUXUS MICROPHYLLA* Sieb. & Zucc. Buxaceae.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For U.S.D.A.-Longwood Cooperative Program. Received August 17, 1961.

'Suffruticosa'. Mount Kosho, Fukuoka Province. Elevation 900 meters.

276347 to 276350. *PRUNUS AVIUM* L. Amygdalaceae.

Sweet cherry.

From Canada. Scions presented by the Agricultural Research Station, Summerland, British Columbia. Received August 18, 1961.

276347. 'Ransom'.

276349. 'Rival'.

276348. 'Regina'.

276350. 'Rons'.

276351. *CERATOTHECA TRILOBA* E. Mey. ex Bernh. Pedaliaceae.

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received August 21, 1961.

'Lothian'. Transvaal. Strey 3596.

## 276352 to 276363.

From Bolivia. Seeds presented by the United States Operations Missions, LaPaz. Received August 21, 1961.

276352. *GOSSYPIUM* sp. Malvaceae.

No. 1. S. Ignacio. Cotton dark brown.

276353. *GOSSYPIUM* sp.

No. 2. S. Ignacio. Cotton white.

276354. *GOSSYPIUM* sp.

No. 3. Bud white. Cotton deCorani.

**276352 to 276363—Continued****276355. GOSSYPIUM sp.**

No. 4. Santacruz del Valle Ameno, Province de Caupolican, Department de La Paz. Elevation 1,300 meters. Cotton white; seeds loose.

**276356. GOSSYPIUM sp.**

No. 5. Apolo, Province de Caupolican, Department de La Paz. Elevation 1,300 meters. Cotton white, seeds loose.

**276357. GOSSYPIUM sp.**

No. 6. Santa Catalina, Province de Caupolican, Department de La Paz. Elevation 1,300 meters. Cotton white; seeds loose.

**276358. GOSSYPIUM sp.**

No. 7. Aten, Province de Caupolican, Department de La Paz. Elevation 1,100 meters. Cotton white; seeds loose.

**276359. GOSSYPIUM sp.**

No. 8. Aten, Province de Caupolican, Department de La Paz. Elevation 1,100 meters. Cotton brownish; seeds loose.

**276360. GOSSYPIUM sp.**

No. 9. Santacruz del Valle Ameno, Province de Caupolican, Department de La Paz. Elevation 1,300 meters. Cotton brownish; seeds loose.

**276361. GOSSYPIUM sp.**

No. 10. Apolo, Province de Caupolican, Department de La Paz. Elevation 1,300 meters. Cotton brownish; seeds loose.

**276362. GOSSYPIUM sp.**

No. 11. Santacruz del Valle Ameno, Province de Caupolican, Department de La Paz. Elevation 1,300 meters. Cotton white; seeds in clusters.

**276363. GOSSYPIUM sp.**

No. 12. Apolo, Province de Caupolican, Department de La Paz. Elevation 1,300 meters. Cotton white; seeds in clusters.

**276364 to 276370.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received August 21, 1961.

**276364 to 276366. PHASEOLUS AUREUS Roxb. Fabaceae. Mung bean.**

276364. I.C. 1957.

276365. I.C. 5487.

276366. I.C. 5488.

**276367 to 276369. PHASEOLUS CALCARATUS Roxb. Fabaceae.**

276367. E.C. 988.

276368. E.C. 2785.

276369. I.C. 2078.

**276370. PHASEOLUS AUREUS Roxb. Mung bean.**

I.C. 21.

**276371 to 276376. ZEA MAYS L. Poaceae. Corn.**

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received August 21, 1961.

276371. Mex 155-86.

276372. Mex 155-86 × Mex 155-152.

**276371 to 276376—Continued**

276373. Mex 155-152.  
276374. Mex 155-156.  
276375. Formerly Mex 155.  
276376. P.P.P.  $\times$  (K6L.2  $\times$  Mex 155).

**276377 to 276392. PASPALUM DILATATUM Poir. Poaceae.****Dallisgrass.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Original sources indicated. Received August 21, 1961.

276377. C.P.I. 9211. Deodoro, Brazil.  
276378. C.P.I. 11814. Brazil.  
276379. C.P.I. 11824. Brazil.  
276380. C.P.I. 11859. Argentina.  
276381. C.P.I. 11959. Spain.  
276382. C.P.I. 11961. Spain.  
276383. C.P.I. 17230. Maryland, United States of America.  
276384. C.P.I. 21362. Central America.  
276385. C.P.I. 24991. Uruguay.  
276386. C.P.I. 25775. South America.  
276387. C.P.I. 26383. Texas, United States of America.  
276388. C.P.I. 27644. Uruguay.  
276389. C.P.I. 27646. Uruguay.  
276390. C.P.I. 27647. Uruguay.  
276391. C.P.I. 27648. Tacuarembó, Uruguay.  
276392. Q-13. From State Produce Agency, Brisbane.

**276393 and 276394. TRITICUM AESTIVUM L. Poaceae.****Common wheat.**

From Denmark. Seeds presented by the Department of Plant Pathology, The Royal Veterinary and Agricultural College, Copenhagen. Received August 21, 1961.

276393. 'Abed 51'.  
276394. 'Weibulls 5323'.

**276395 to 276400.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Original sources indicated. Received August 21, 1961.

276395. AGROPYRON CILIARE (Trin.) Franch. Poaceae.  
C.P.I. No. 22626. Japan.  
276396. AGROPYRON KAMOJI Ohwi  
C.P.I. No. 13471. Sweden.  
276397. AGROPYRON MAYEBARANUM Honda  
C.P.I. No. 22627. Japan.



**276395 to 276400—Continued**

276398. AGROPYRON OBTUSIUSCULUM Lange

C.P.I. No. 9353. Canada.

276399. AGROPYRON RIGIDUM Beauv.

C.P.I. No. 22748. Germany.

276400. AGROPYRON TSUKUSHIENSE (Honda) Ohwi

C.P.I. No. 22628. 'Transiens'. Germany.

**276401. ACTINIDIA CHINENSIS Planch. Dilleniaceae. Yang tao.**

From New Zealand. Plants presented by the Fruit Research Division, Department of Scientific and Industrial Research, Auckland. Received July 3, 1961.

'Greensill'. FRD No. 6. Plant reportedly good bearer; fruits large, abruptly constricted about one-third of the distance from the apex; flavor superior.

**276402 to 276422. COFFEA ARABICA L. Rubiaceae.****Arabian coffee.**

From Nyasaland. Seeds presented by the Department of Agriculture, Bvumbwe Agricultural Station, Limbe. Received August 23, 1961.

276402 to 276412. Originally from Kenya.

276402. Dilla and Alghe.

276403. 'Geisha'.

276404. K.S.A. (Kapretwa Series "A").

276405. 'Kents Hybrid'.

276406. Dalle Mixed.

276407. 'Maragogipe'.

276408. 'Mocha'.

276409. Kenya Selected-Clone 33.

276410. SL. 6.

276411. SL. 28.

276412. SL. 34.

276413 to 276420. Originally from Tanganyika.

276413. H. 66.

276414. H. 133.

276415. I. 60.

276416. KP. 128.

276417. KP. 228.

276418. N. 39.

276419. N. 81.

276420. N. 197.

276421 and 276422. Originally from Nyasaland.

276421. Local selection (Probably from Blue Mountain).

276422. Local Arabica.

**276423 and 276424. LYCOPERSICON ESCULENTUM Mill.****Solanaceae.****Tomato.**

From the Republic of South Africa. Seeds presented by the Horticultural Research Station, Pretoria. Received August 23, 1961.

**276423.** 'Nelcan'. Selected from a cross between 'San Marzano' and a round-fruited market tomato. Plant vigorous, productive, fusarium wilt resistant; fruit small, short oval, firm, two loculed, uniform dark red.

**276424.** 'Nelmark'. Selected from a cross between 'San Marzano' and a market type tomato. Plant vigorous, indeterminate, productive, fusarium wilt resistant; fruit small, round to slightly flat, three to four loculed, uniform red.

**276425. ORYZA SATIVA L. Poaceae.****Rice.**

From India. Seeds presented by the Rice Research Station, Nagina, Uttar Pradesh. Received August 25, 1961.

Ch 1039.

**276426 and 276427. ARACHIS GLABRATA Benth. Fabaceae.**

From Brazil. Seeds collected by W. C. Gregory, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received August 28, 1961.

**276426.** Col. No. 57. Red gravel marshland, 176 km. north of Sao Lourenco, 60 km. east of Cuiaba, Mato Grosso. Prostrate perennial in wild. Progeny of P.I. 262290.

**276427.** Col. No. 58. Possible progeny of P.I. 262290.

**276428 to 276443.**

From the Republic of South Africa. Seeds collected by H. S. Gentry and A.S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered August 28, 1961.

**276428. CHRYSANTHEMOIDES MONILIFERA (L.) Norlindh Asteraceae.**

Col. No. 18634. 'Piquetberg Mountain, Cape Province. Plant erect, to 3 feet high; flower rays yellow; achenes baccate.

**276429. DIMORPHOTHECA CUNEATA (Thunb.) DC. Asteraceae.**

Col. No. 18716. Little Karoo vegetation, Hex River Pass, 30 miles north-east of Worcester, Cape Province. Elevation 2,200 feet. Plant erect, to 40 inches high, resinous, light green, xerophytic; flowers, rays white within, mauve outside; disk yellow; achenes persistent and determinate.

**276430 and 276431. DIMORPHOTHECA PLUVIALIS (L.) Moench**

**276430.** Col. No. 18702. Sandy, fallow field 7 miles south of Darling, C.P. Decumbent annual; flower rays white with purple around yellowish disk.

**276431.** Col. No. 18708. Near sea level, 4.5 miles north of Cape Point Reserve, C.P. Decumbent annual, rather succulent; flowers white, showy; achenes persistent, especially the ray achenes which are relatively numerous and large.

**276432. DIMORPHOTHECA SINUATA DC.****Blue-eyed cape-marigold.**

Col. No. 18615. Karoo Gardens. From Little Namaqualand, C.P. Abundant annual flowering in early spring.

**276433. DIMORPHOTHECA ZEYHERI Sond.**

Col. No. 960. One mile from junction of Phillipstown-Hanover Roads, 5 miles north of Phillipstown, road to Beugerville, C.P. Erect perennial herb to one foot high, branching at base; ray florets white, turning purple at base; disk yellow; fruiting heads drooping.

**276428 to 276443—Continued****276434. OSTEOSPERMUM CALENDULACEUM L. f. Asteraceae.**

Col. No. 18901. Karoo Veld valley, 34 miles southeast of Middelburg, towards Craddock, C.P. Elevation 3,500 feet. Low, decumbent, spreading annual; flowers yellow; heads nodding.

**276435. OSTEOSPERMUM CAULESCENS Harv.**

Col. No. 965. Grassy roadside, and adjacent sandy fields, 2 miles east of Bapsfontein, Bronkhorstspuit District, Transvaal. Erect perennial; stems and fruits well above plant body; ray florets white, with purple striations on lower surface; disk yellow.

**276436. OSTEOSPERMUM CLANDESTINUM (Less.) T. Norl.**

Col. No. 18741. Veld Reserve, Worcester, Cape Province. Procumbent annual; flower rays yellow with brown markings.

**276437. OSTEOSPERMUM DREGEI (DC.) T. Norl.**

Col. No. 18654. Sandy acidic soil, Niewoudtville. Broad, dense perennial to 8 inches high; leafy stems upright; flower rays white.

**276438 to 276440. OSTEOSPERMUM MURICATUM E. Mey.**

276438. Col. No. 942. Roadside 0.5 mile south of Krom River, Richmond-Beaufort West road. Perennial herb with woody base from which numerous stems arise, forming a rounded plant; flowers yellow.

276439. Col. No. 18747. Veld Reserve, Worcester, C.P. Perennial herb cultivated experimentally for sheep range.

276440. Col. No. 19214. Moist bottomland, Kalihari sands, Witsands, Hay Dist., C.P. Plant low, erect.

**276441 and 276442. OSTEOSPERMUM SINUATUM (DC.) T. Norl.**

276441. Col. No. 944. Rocky roadside, 30 miles northeast of Beaufort West, Nilspoort road. Shrubby perennial to 1.5 feet high; flowers yellow.

276442. Col. No. 18740. Veld Reserve, Worcester, C.P. Procumbent perennial; rays yellow.

**276443. OSTEOSPERMUM SPINESCENS Thunb.**

Col. No. 946. Silty, sandy, rocky roadside and adjacent fields in acacia karoo, 63 miles east of Beaufort West, road to Aberdeen. Low, stiff, woody shrub; flowers yellow.

**276444 and 276445. CITRULLUS LANATUS (Thunb.) Mansf.**

Cucurbitaceae.

**Watermelon.**

From Jordan. Seeds presented by the United States Operations Mission, Amman. Received August 28, 1961.

276444. 'Baladi'.

276445. 'Jadouhi'.

**276446 to 276470.**

From Italy. Bulbs and tubers collected by G. W. Pittarelli, Crops Research Division, Beltsville, Md. Received August 28, 1961.

**276446. ALLIUM SATIVUM L. Liliaceae.**

**Garlic.**

'Molise'.



**276446 to 276470—Continued****276447 to 276470. SOLANUM TUBEROSUM L. Solanaceae.****Potato.**

From S. Michele all'Adige, Trento.

276447. No. 220-1.	276459. No. 974-5.
276448. No. 220-1-A.	276460. No. 982-2.
276449. No. 232-2.	276461. No. 1036-1.
276450. No. 278-1.	276462. No. 1024-3.
276451. No. 348-1.	276463. No. 1024-23.
276452. No. 365-7.	276464. No. 1084-1.
276453. No. 560-4.	276465. No. 1100-3.
276454. No. 600-4.	276466. No. 1100-19.
276455. No. 652-5.	276467. No. 1100-25.
276456. No. 834-5.	276468. No. 1100-35.
276457. No. 893-3.	276469. No. 1100-36.
276458. No. 944-2.	276470. No. 1100-41.

**276471 and 276472. PYRUS COMMUNIS L. Malaceae.**

From France. Budsticks presented by the Station de Recherches Viticoles, Oenologiques et d'Arboriculture Fruitiere, Angers. Received August 28, 1961.

276471. 'Belle Guerandaise P.33'.

276472. 'Le Nain Vert P. 292'.

**276473. MALUS SYLVESTRIS Mill. Malaceae.**

From Australia. Budsticks presented by W. Fontanini, Merrylands Nursery, Manjimup. Received August 28, 1961.

**276474. VIGNA OBLONGIFOLIA A. Rich. Fabaceae.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received August 29, 1961.

C.P.I. 17855.

**276475 to 276484. GOSSYPIUM BARBADENSE L. Malvaceae.****Sea-island cotton.**

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Plants in wild at Saenz Pena, Chaco. Received August 29, 1961.

276475. CE-SP 140.	276480. CE-SP 145.
276476. CE-SP 141.	276481. CE-SP 146.
276477. CE-SP 142.	276482. CE-SP 147.
276478. CE-SP 143.	276483. CE-SP 148.
276479. CE-SP 144.	276484. CE-SP 150.

**276485. ORYZA SATIVA L. Poaceae.****Rice.**

From India. Seeds presented by the Indian Council of Agricultural Research, New Delhi. Received August 29, 1961.

'Early Kolpi-70'.

**276486 and 276487. ORYZA SATIVA L. Poaceae.****Rice.**

From India. Seeds presented by the Agricultural College and Research Institute, Coimbatore. Received August 29, 1961.

276486. ASD 5.

276487. TKM 6.

**276488 to 276494. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From Nigeria. Seeds presented by the Regional Research Station, Ministry of Agriculture, Samaru, Zaria. Received August 29, 1961.

276488. LBU 5910. From Ilorin Province. Samaru type, not as common as Castle Cary type.

276489. RBU 592. From Plateau Province. Castle Cary type; most common, upright type in northern Nigeria.

276490. TBU 609. From Niger Province Matavere. Spreading bunch type.

276491. US 5920. From Bornu Province. Natal runner type; testa flesh colored, typical of Nigerian peanuts. Most common in low rainfall areas (under 25 in. per annum).

276492. US 5987. From Bornu Province. Natal runner type; testa red. Common type in dry, northern area.

276493. US 5999. From Bornu Province. 'Makulu Runner'. Testa red, although flesh-colored variants occur. Comparatively rare three-seeded type.

276494. US 59123. From Bornu Province. Indian runner type; testa flesh colored although red variants occur. Grown in drier areas but less common than Natal runner.

**276495 to 276542.**

From the Republic of South Africa. Seeds presented by the United States Embassy, Pretoria. Received August 29, 1961.

276495 and 276496. CITRUS (hybrids). Rutaceae.

276495. No. 76. 'Barberton Hybrid'.

276496. No. 233. 'Zwoole Hybrid'.

276497. CITRUS (hybrid).

(*C. reticulata* × *C. paradisi*).

No. 365. 'Lomati'. Tangelo.

276498. CITRUS AURANTIFOLIA (Christm.) Swingle Lime.

No. 299. 'Lydenburg'.

276499 to 276507. CITRUS GRANDIS (L.) Osbeck Shaddock.

276499. No. 57. 'Stroh Shaddock'.

276500. No. 58. 'Jaarlemoen'.

276501. No. 197. 'Djeroek Pandan Lima'.

276502. No. 198. 'Djeroek Pandan'.

276503. No. 199. 'Djeroek Delima'.

276504. No. 200. 'Djeroek Simanalagi'.

276505. No. 201. 'Djeroek Sinonja'.

276506. No. 202. 'Djeroek Delima Kopjor'.

276507. No. 203. 'Djeroek Balima'.

276508 to 276510. CITRUS LIMON (L.) Burm. f. Lemon.

276508. No. 42. 'Van Staden'. Skin rough.

276509. No. 235. 'Darras'.

276510. No. 290. 'Limme de Farenza'.

**276495 to 276542—Continued**

- 276511 to 276518. CITRUS RETICULATA Blanco Mandarin orange.  
 276511. No. 140. 'Cinnamon Tangerine'.  
 276512. No. 204. 'Djeroek Keprok Poenten Mandarin'.  
 276513. No. 205. 'Djeroek Siem Mandarin'.  
 276514. No. 206. 'Djeroek Djepoen Mardarin'.  
 276515. No. 207. 'Djeroek Garoet Mandarin'.  
 276516. No. 228. 'Ellendale Naartje'.  
 276517. No. 229. 'Fagan Naartje'.  
 276518. No. 232. 'Giant Naartje'.  
 276519 to 276542. CITRUS SINENSIS (L.) Osbeck Orange.  
 276519. No. 1. 'Denia'.  
 276520. No. 15. 'Bailidge Early'.  
 276521. No. 86. 'Tomango'.  
 276522. No. 102. 'Knoll'.  
 276523. No. 103. 'Boschrand'.  
 276524. No. 146. 'Theron'.  
 276525. No. 212. 'Mid-Knight'.  
 276526. No. 234. 'Addorosa'.  
 276527. No. 301. 'Letaba'.  
 276528. No. 313. 'Muden'.  
 276529. No. 324. 'Chipoli'.  
 276530. No. 325. 'Montrose Premier'.  
 276531. No. 342. 'Amanzi Blood' (A).  
 276532. No. 386. 'Mouton Midseason'.  
 276533. No. 389. 'Oom Louis'.  
 276534. No. 403. 'Moss Seedless'.  
 276535. No. 412. 'Swindon'.  
 276536. No. 414. 'Jasi No. 1'.  
 276537. No. 415. 'Jasi No. 2'.  
 276538. No. 419. 'Klingenberg'.  
 276539. No. 421. 'Grobler'.  
 276540. No. 488. 'Nooitgedagt'.  
 276541. No. 495. 'Robin Hood'.  
 276542. No. 538. 'Franse Lemoentjie'.

**276543 to 276553.**

From the Republic of South Africa. Seeds presented by the Division of Botany, Department of Agricultural Technical Services, Pretoria. Numbered August 30, 1961.

Numbers are from the Northern Regional Research Laboratory, Peoria, Ill.

276543. DIMORPHOTHECA AURANTIACA DC. Asteraceae. Winter cape-marigold.

No. 40497.

276544. DIMORPHOTHECA PLUVIALIS (L.) Moench  
 No. 40492.



**276543 to 276553—Continued****276545. DIMORPHOTHECA SINUATA DC.****Blue-eyed cape-marigold.**

No. 40023.

**276546. DIMORPHOTHECA sp.**

No. 40490.

**276547. DIMORPHOTHECA sp.**

No. 40491.

**276548. OSTEOSPERMUM CLANDESTINUM (Less.) T. Norl. Asteraceae.**

No. 40486.

**276549. OSTEOSPERMUM ECKLONIS (DC.) T. Norl.**

No. 40493.

**276550 and 276551. OSTEOSPERMUM SINUATUM (DC.) T. Norl.**

276550. No. 40488.

276551. No. 40489.

**276552. OSTEOSPERMUM MURICATUM E. Mey.**

No. 40487.

**276553. OSTEOSPERMUM PACHYPTERIS DC.**

No. 40498.

**276554 to 276560.**

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. For a co-operative program of U.S.D.A. and Longwood Foundation, Inc. Received Sept. 1, 1961.

**276554. ARDISIA CRENATA Sims Myrsinaceae.**

Col. No. 1111. Nyta Osamu Garden, Izura, Ibaraki Prefecture. Small evergreen shrub; fruit red. About farthest northern locality as a garden plant.

**276555 and 276556. AUCUBA JAPONICA Thunb. Cornaceae.****Japanese aucuba.**

276555. Col. No. 818. Subshrub in dense evergreen forest Kaimon-dake, Kagoshima, Kyushu. Elevation 500 meters. Broadleaved evergreen; fruit red, in terminal clusters. Southernmost locality in Kyushu for this species.

276556. Col. No. 1109. Nyta Osamu Garden, Izura, Ibaraki Prefecture. Garden form, leaves variegated.

**276557. DAMNACANTHUS INDICUS Gaertn. f. Rubiaceae.**

Col. No. 1108. Nyta Osamu Garden, Izura, Ibaraki Prefecture. Spiny evergreen shrub; fruit red. Probably northern limit of cultivation.

**276558. ILEX CRENATA ssp. RADICANS (Nakai) Tatewaki Aquifoliaceae.**

Col. No. 1112. Swampy, shaded, ravine, foot of Mount Hayachine, Iwate Prefecture. Plant prostrate or procumbent; fruit black. Probably southern limit for this variety at low elevation.

**276559. JUNIPERUS CONFERTA Parlature Pinaceae.****Shore juniper.**

Col. No. 907. Along Ashiarai, beach, Kita-Ibaraki City, Ibaraki Prefecture. Plant in wild, prostrate, used as ground cover and for beach erosion control.

**276560. PIERIS JAPONICA (Thunb.) G. Don Ericaceae. Japanese pieris.**

Col. No. 1110. Growing around small pond near Taira, Ibaraki Prefecture. Ericaceous shrub in wild; flowers terminal, in pendant racemes.

**276561 and 276562. Elettaria cardamomum (L.) Maton**  
**Zingiberaceae. Cardamom.**

From India. Rhizomes presented by the Indian Agricultural Research Institute, New Delhi. Received Sept. 1, 1961.

Grown at Kudur, South India.

276561. 'Malabar'.

276562. 'Mysore'.

**276563 and 276564.**

From Uruguay. Seeds presented by the Instituto Inter-Americano de Clonias Agrícolas, Montevideo. Received Sept. 5, 1961.

276563. *Paspalum dilatatum* Poir. Poaceae. **Dallisgrass.**

276564. *Paspalum urvillei* Steud. **Vaseygrass.**

**276565. Saccharum (hybrid). Poaceae. Sugarcane.**

From Tanganyika. Cuttings presented by the Tanganyika Planting Company Limited, Moshi. Received Sept. 6, 1961.

CO. 421.

**276566. Agropyron junceum (L.) Beauv. Poaceae.**

From France. Seeds presented by the Jardin des Plantes, Rue Auguste-Broussonet, Montpellier. Received Sept. 6, 1961.

**276567. Malus sylvestris Mill. Malaceae.**

From Israel. Scions presented by the Horticultural Institute, Beit Dagan. Received Sept. 6, 1961.

'Orleans'.

**276568 and 276569. Clematis viticella L. Ranunculaceae. Italian clematis.**

From Sweden. Plants purchased from Erik Lacks Plantskola, Ronninge. Received Sept. 6, 1961.

276568. 'Carmencita'.

276569. 'Sanguinea Grandiflora'.

**276570 to 276572. Allium sativum L. Liliaceae. Garlic.**

From Peru. Bulbs presented by the Servicio de Investigacion y Promocion Agraria, Lima. Received Sept. 7, 1961.

276570. 'Dog Foot'. Grown along the coast.

276571. White variety. Grown along the coast.

276572. Red variety. From Arequipa.

**276573. Hibiscus cannabinus L. Malvaceae. Kenaf.**

From Italy. Seeds presented by the Food and Agricultural Organization of the United Nations, Rome. Received Sept. 7, 1961.

FAO No. 9479. Originally from Agricultural Research Station, Bogor, Indonesia.

**276574 to 276577. Saccharum (hybrids). Poaceae. Sugarcane.**

From Australia. Cuttings presented by the Bureau of Sugar Experiment Station, Brisbane, Queensland. Received Sept. 11, 1961.

276574. Q-69.

276576. Q-72.

276575. Q-71.

276577. Q-73.

**276578 to 276649.**

From Greece. Seeds presented by the Hellenic Agricultural Research Institute, Larissa. The letter "M" for Matricule is the donor's. Received Sept. 11, 1961.

**276578 to 276608. SESAMUM INDICUM L. Pedaliaceae.**

**Sesame.**

From Australia, unless otherwise noted.

- |  |                                |
|--|--------------------------------|
| <b>276578.</b> M-4849. 11059.                | <b>276593.</b> M-4885. 11063.  |
| <b>276579.</b> M-4850. 12356.                | <b>276594.</b> M-4886. 11308.  |
| <b>276580.</b> M-4851. 12352.                | <b>276595.</b> M-4887. 12357.  |
| <b>276581.</b> M-4852. 11061.                | <b>276596.</b> M-4888. 12354.  |
| <b>276582.</b> M-4853. 12383.                | <b>276597.</b> M-6387.         |
| <b>276583.</b> M-4856. 12766.                | <b>276598.</b> M-7169. C. 476. |
| <b>276584.</b> M-4857. 12355.                | <b>276599.</b> M-7170. 17497.  |
| <b>276585.</b> M-4858. I.P. 6 9184.          | <b>276600.</b> M-7171. 17498.  |
| <b>276586.</b> M-4860. N.174 1951.           | <b>276601.</b> M-7172. 17499.  |
| <b>276587.</b> M-4861. 12356.                | <b>276602.</b> M-7173. 17500.  |
| <b>276588.</b> M-4863. 11060.                | <b>276603.</b> M-7174. 17501.  |
| <b>276589.</b> M-4864. 12353.                | <b>276604.</b> M-7175. 17502.  |
| <b>276590.</b> M-4871. 11062.                | <b>276605.</b> M-7177. 19953.  |
| <b>276591.</b> M-4873. 12768.                | <b>276606.</b> M-7178. 19954.  |
| <b>276592.</b> M-4884. 12769.                |                                |
| <b>276607.</b> M-8043. No. 64. A Crop 1959.  |                                |
| From Israel.                                 |                                |
| <b>276608.</b> M-8044. No. B-4. A Crop 1959. |                                |
| From Israel.                                 |                                |
| <b>276609. SESAMUM sp.</b>                   |                                |
| M-4295. From Sophades-Karditsa.              |                                |
| <b>276610. SESAMUM sp.</b>                   |                                |
| M-4317. From Rhodos. Seeds white.            |                                |
| <b>276611. SESAMUM sp.</b>                   |                                |
| M-4324. From Rhodos.                         |                                |
| <b>276612. SESAMUM sp.</b>                   |                                |
| M-4363. From Paros.                          |                                |
| <b>276613. SESAMUM sp.</b>                   |                                |
| M-4376. From Katavia, Rhodos.                |                                |
| <b>276614. SESAMUM sp.</b>                   |                                |
| M-4424. From Rhodos.                         |                                |
| <b>276615. SESAMUM sp.</b>                   |                                |
| M-4602. From Palama, Karditsa.               |                                |
| <b>276616. SESAMUM sp.</b>                   |                                |
| M-4612. From Atalanti, Lamia.                |                                |
| <b>276617. SESAMUM sp.</b>                   |                                |
| M-4613. From Molos Lamia. Seed white.        |                                |



## 276578 to 276649—Continued

276618. *SESAMUM* sp.  
M-4614. From Atalanti, Lamia. Seed white.
276619. *SESAMUM* sp.  
M-4615. From Samos.
276620. *SESAMUM* sp.  
M-4616. From Agrinion.
276621. *SESAMUM* sp.  
M-4617. From Kythnos.
276622. *SESAMUM* sp.  
M-4618. From Gastouni.
276623. *SESAMUM* sp.  
M-4619. From Gastouni.
276624. *SESAMUM* sp.  
M-4620. From Gastouni.
276625. *SESAMUM* sp.  
M-4621. From St. Helius, Aetolia.
276626. *SESAMUM* sp.  
M-5353. From Agrinion.
276627. *SESAMUM* sp.  
M-5354. From Amphiklia, Lamia.
276628. *SESAMUM* sp.  
M-5404. From Samos.
276629. *SESAMUM* sp.  
M-5571. From Elasson, Larissa.
276630. *SESAMUM* sp.  
M-5597. From Rhodes.
276631. *SESAMUM* sp.  
M-5922. From New Orynthos, Khalkidiki.
276632. *SESAMUM* sp.  
M-6043. N.P. 6. India.
276633. *SESAMUM* sp.  
M-6277. From Grijsano, Trikala.
276634. *SESAMUM* sp.  
M-6402. From Phtiotis.
276635. *SESAMUM* sp.  
M-6403. From Beotia.
276636. *SESAMUM* sp.  
M-6404. From Khalkidiki.
276637. *SESAMUM* sp.  
M-6405. From Evinochorion Aetolia.
276638. *SESAMUM* sp.  
M-6425. From Messara, Kreta.

**276578 to 276649—Continued**

276639. *SESAMUM* sp.

M-6665. N.P. 6. 1956. From India.

276640. *SESAMUM* sp.

M-6811. From New Maditos, Thessaloniki.

276641. *SESAMUM* sp.

M-6812. From Vergini, Imathia.

276642. *SESAMUM* sp.

M-7087. N.P. 3. From India.

276643. *SESAMUM* sp.

M-7088. N.P. 6. From India.

276644. *SESAMUM* sp.

M-7089. N.P. 7. From India.

276645. *SESAMUM* sp.

M-7090. T. 85. From India.

276646. *SESAMUM* sp.

M-7728. No. 45. From Israel.

276647. *SESAMUM* sp.

M-7729. No. 77. From Israel.

276648. *SESAMUM* sp.

M-8006. N.P. 3. From India.

276649. *SESAMUM* sp.

M-8007. N.P. 6. From India.

**276650. BISERRULA PELECINUS L. Fabaceae.**

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovot. Received Sept. 13, 1961.

Collected at Rishon Le Zion; soil sandy; annual rainfall approximately 500 mm. Elevation 50 meters. Bluish flowering annual.

**276651. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**

From Indonesia. Seeds presented by the Institute for Plant Disease and Pests, Bogor, Java. Received Sept. 13, 1961.

**276652. PYRUS COMMUNIS L. Malaceae.**

From France. Budsticks presented by the Station de Recherches de Viticulture, d'Oenologie et d'Arboriculture Fruitiere, Belle-Beille, Angers. Received Sept. 18, 1961.

'Jeanne d'Arc'.

**276653. CITRUS AURANTIFOLIA (Christm.) Swingle Rutaceae. Lime.**

From India. Seeds presented by the Regional Fruit Research Station, Chet-halli Coorg, Mysore State. Received Sept. 19, 1961.

'Coorg Lime'.

**276654. GOSSYPIUM sp. Malvaceae.**

From Samoa. Seeds presented by the Director of Agriculture, Apia. Received Sept. 19, 1961.

Native cotton; lint brownish; fuzz sparse.

**276655 and 276656.**

From the British West Indies. Seeds presented by the Agricultural Department, St. Kitts. Received Sept. 19, 1961.

276655. *CANAVALIA ENSIFORMIS* (L.) DC. Fabaceae.

No. 1. Bush type; seeds white. Edible annual.

276656. *CANAVALIA GLADIATA* (Jacq.) DC.

No. 2. Climbing type; seeds reddish-brown. Edible annual. Used as green manure crop.

**276657 to 276661.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Sept. 19, 1961.

276657 to 276659. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae.  
Watermelon.

276657. No. 3528. 'Bykovshij 23'.

276658. No. 3749. 'Samazkandskij Celyj'.

276659. No. 3868. 'Stalingradskij 58'.

276660. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.

No. 610. 'Chandalak'. Faami.

276661. *CUCUMIS MELO* var. *HIBERNUS* Poll.

No. 3054. 'Koj-Cas'.

**276662 to 276666.**

From Germany. Seeds presented by the Max Planck Institute for Breeding Research, Cologne, Vogelsang. Received Sept. 20, 1961.

276662. *FESTUCA ELATIOR* L. Poaceae. Meadow fescue.

Tetraploid, from the diploid "Steinacher".

276663. *LOLIUM* (hybrid). Poaceae.

(*L. multiflorum* (tetraploid)  $\times$  *L. perenne* (tetraploid), F<sub>2</sub>).

276664. *LOLIUM* (hybrid).

(*L. perenne* (tetraploid)  $\times$  *L. multiflorum* (tetraploid), F<sub>2</sub>. Plants have good winter hardiness.

276665. *LOLIUM MULTIFLORUM* Lam. Italian ryegrass.

Tetraploid, from the variety "Ostland".

276666. *LOLIUM PERENNE* L. Perennial ryegrass.

Tetraploid, from the variety "Odenwalder".

**276667 to 276672.**

From Brazil. Seeds presented by the Instituto Agronomico do Estado de S. Paulo, Campinas. Received September 20, 1961.

276667 to 276669. *GOSSYPIUM BARBADENSE* L. Malvaceae.  
Sea-island cotton.

276667. I.P.R.-1. N.A. 881.

276668. 'Quebradinho Porte Arboreo'. N-A. 882, Brazilian race. Perennial; seeds loose, different from united seeds of 'Rim de Boi'.

276669. 'Rio Xingu'. I-26697, Brazilian race. Grown by the Indians in the Xingu river region, Mato Grosso. Fiber white.

276670. *GOSSYPIUM BRASILIENSE* Macfad.

'Inteiro ou Rim de Boi'. Brazilian race.



**276667 to 276672—Continued****276671. GOSSYPIUM HIRSUTUM L.****Upland cotton.**

'Moco'. Marie Galante race. Grown in semi-arid regions, northeast Brazil. Produces long fiber cotton.

**276672. GOSSYPIUM MUSTELINUM Watt**

'Macaco ou Algodoi'. Fiber gray.

**276673 to 276700.**

From Greece. Seeds collected by D. M. Yermanos, Department of Agronomy, University of California. Received September 20, 1961.

**276673. HELIANTHUS ANNUUS L. Asteraceae.****Sunflower.**

'Trikala'.

**276674 to 276699. LINUM USITATISSIMUM L. Linaceae.****Flax.**

276674. 'Adoptiv 109'.

276687. 'Irak 185'.

276675. 'Altamura 175a'.

276688. 'Leucados 106'.

276676. 'Baladi 143'.

276689. 'Leucados 108'.

276677. 'Canada 125'.

276690. 'Messenias'.

276678. 'Cipro 183a'.

276691. 'Messenias 159b'.

276679. 'Commune 155a'.

276692. 'Messenias 159c'.

276680. 'Danese 129a'.

276693. 'Redwing 92'.

276681. 'Danese 129b'.

276694. 'Sadd's English 97a'.

276682. 'Giza 139A'.

276695. Grown in Trikala.

276683. 'Giza 139b'.

276696. 'Valuta 80'.

276684. 'Hindi 153A'.

276697. 'Valuta 81'.

276685. 'Hindi 153b'.

276698. 'Valuta 87c'.

276686. 'Hollandia 163'.

276699. 'Yiannitsa 170'.

**276700. SESAMUM INDICUM L. Pedaliaceae.****Sesame.**

'Trikale'.

**276701 to 276703. PISTACIA ATLANTICA Desf. Anacardiaceae.****Mount Atlas pistachio.**

From the United States. Trees growing at the U.S. Plant Introduction Station, Chico, Calif. Numbered Sept. 21, 1961.

Seed source for pistachio root stocks.

276701. Orchard location 030-30.

276702. Orchard location 030-31.

276703. Orchard location 031-32.

**276704 to 276706. TRITICUM AESTIVUM L. Poaceae.****Common wheat.**

From the Union of Soviet Socialist Republics. Intercepted by the United States Quarantine officials, Idlewild Airport, New York, Sept. 8, 1961. Received Sept. 21, 1961.

276704. 'Bezostaya 1'. Winter wheat.

276705. 'Krasnozernaya'. Spring wheat.

276706. 'Moskovka'. Spring wheat.

**276707. SORGHUM VERTICILLIFLORUM (Steud.) Stapf Poaceae.**  
**Tabucki grass.**

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Sept. 22, 1961.

DL/61/933. Indigenous to the warmer and wetter parts of the summer rainfall area.

**276708 to 276713.**

From Hungary. Seeds presented by the National Institute for Agrobotany, Taposzele. Received Sept. 25, 1961.

**276708. AGROPYRON CAMPESTRE Gren. & Godr. Poaceae.**

IV-68. Originally from the All-Union Institute of Plant Industry, Leningrad, U.S.S.R. Plants vigorous, resistant to drought, frost, rust and mildew.

**276709. AGROPYRON PUNGENS (Pers.) Roem. & Schult.**

From the All-Union Institute of Plant Industry, Leningrad, U.S.S.R. Plants vigorous, resistant to drought, frost, rust and mildew. Late type; heavy yielder.

**276710. AGROPYRON SIBIRICUM (Willd.) Beauv. Siberian wheatgrass.**

IV-66. From Moscow, U.S.S.R. Plants vigorous, resistant to drought, frost, rust and mildew.

**276711. AGROPYRON TENERUM Vasey Slender wheatgrass.**

IV-83. From the Botanical Research Institute, Hungarian Academy of Sciences, Vacratet. Plants vigorous, resistant to drought, frost, rust and mildew.

**276712. AGROPYRON VIOLACEUM (Hornem.) Lange**

IV-75. Originally from the All-Union Institute of Plant Industry, Leningrad, U.S.S.R. Plants vigorous, resistant to drought, frost, rust and mildew.

**276713. BECKMANNIA ERUCIFORMIS (L.) Host Poaceae. Sloughgrass.**

From uncultivated plants, Taposzele.

**276714. PIERIS JAPONICA (Thunb.) G. Don Ericaceae.**  
**Japanese pieris.**

From Australia. Plants presented by Bert Chandler and Son, The Basin, Victoria, New South Wales. Received Sept. 26, 1961.

'Chandlerii'.

**276715 to 276717. PYRUS COMMUNIS L. Malaceae.**

From Canada. Budsticks presented by the Research Branch, Genetics and Plant Breeding Research Institute, Ottawa, Ontario. Received Sept. 26, 1961.

**276715. 'Fertility'.**

**276716. 'Krol Sobieski'.**

**276717. 'Williams'.**

**276718. MALUS SYLVESTRIS Mill. Malaceae.**

From Union of Soviet Socialist Republics. Budsticks presented by the All-Union Institute of Plant Industry, Leningrad. Received Sept. 27, 1961.

'Pervenec Samarkanda' ('Landsberg Reinette' × 'Sawarkand Early'). Plants from Uzbekistan; fruit early ripening, fair quality.

276719 to 276758. *COFFEA ARABICA* L. Rubiaceae.

## Arabian coffee.

From Ruanda-Urundi. Seeds presented by the Institut National pour l'Etude Agronomique du Congo, Brussels, Belgium. Received Aug. 24, 1961.

Numbered Sept. 27, 1961.

No.	Variety	Rubona Expt. Sta. No.
276719. R 1	'Bourbon Mayaguez 71.2147'.	(BM 71-2147).
276720. R 2	'Jackson 2-1257'.	(J2-1257).
276721. R 3	'Bourbon Mayaguez 139'.	(BM. 139).
276722. R 4	'Jackson 2'.	(J2).
276723. R 5	'Sidamo'.	(No. 5712).
276724. R 6	'Bourbon Salvadoreno'.	(No. 5748).
276725. R 7	'Harrar Dugda Lemita Arussi R3'.	(No. 5716).
276726. R 8	'Garbito Irgalem Sidamo'.	(No. 5902).
276727. R 9	'Mibirizi 49'.	(Mi 49).
276728. R 10	'Local Bronze 183'.	(LB 183).
276729. R 11	'Bourbon 72'.	(Bo 72).
276730. R 12	'Mysore 175'.	(MY 175).
276731. R 13	'Kent 170'.	(K 170).
276732. R 14	'Guatemala 26'.	(Gu 26).
276733. R 15	'Mibirizi 68'.	(Mi 68).
276734. R 16	'Kent 198'.	(K 198).
276735. R 17	'Blue Mountain Kenya 168'.	(BMK 168).
276736. R 18	'Kabare 18'.	(Ka 18).
276737. R 19	'Bourbon 72-1523'.	(Bo 72-1523).
276738. R 20	'Mibirizi 68-1284'.	(Mi 68-1284).
276739. R 21	'Mibirizi 49-1848'.	(Mi 49-1848).
276740. R 22	'Harrar Dugda Lemita Arussi R1'.	(No. 5714).
276741. R 23	'Babaca Kaffa'.	(No. 5718).
276742. R 24	'Moka du Sidamo Borana'.	(No. 5816).
276743. R 25	'Ainamba Babaca Kaffa'.	(No. 5691).
276744. R 26	'Lignee M'.	(No. 5749).
276745. R 27	'Harrar Dugda Lemita Arussi R2'.	(No. 5715).
276746. R 28	'Tanabo A. Buna Mia Limmu Kaffa'.	(No. 5693).
276747. R 29	'Agaro Gimma Kaffa'.	(No. 5692).
276748. R 31	'Ennarea Limmu Gimma Kaffa'.	(No. 5717).
276749. R 32	'Wondo Sidamo'.	(No. 5901).
276750. R 33	'Agaro Kaffa'.	(No. 5953).
276751. R 34	'Irgalem Kelle Sidamo'.	(No. 5898).
276752. R 35	'Irga Ciaffe Sidamo'.	(No. 5895).
276753. R 36	'Gimma Kaffa'.	(No. 5959).
276754. R 37	'Adele Gumer Illulabor'.	(No. 5899).
276755. R 38	'Wushwush Kaffa'.	(No. 5956).
276756. R 39	'Las Palmas'.	(No. 60).
276757. R 40	'Mokka de Tahiti'.	(No. 947).
276758. R 41	'Mysore'.	(No. 1105).



**276759 to 276761. ORYZA SATIVA L. Poaceae.****Rice.**

From India. Seeds presented by the Agricultural Research Institute, Rajendranagar, Hyderabad, Deccan. Received Sept. 27, 1961.

276759. H.R. 22.

276760. H.R. 47.

276761. H.R. 59.

**276762 and 276763.**

From Canada. Plants purchased from the Alpenglöw Garden, North Surrey, New Westminster. Received Sept. 27, 1961.

276762. DIANTHUS MICROLEPIS Boiss. Silenaceae.

276763. DIANTHUS SUBACALIS Vill.

**276764. PYRUS COMMUNIS L. Malaceae.**

From Italy. Budsticks presented by Arturo Ansaloni, Bologna. Received Sept. 28, 1961. 'Butirra Precoce Morettini'.

**276765 and 276766. ORYZA SATIVA L. Poaceae.****Rice.**

From the Republic of the Congo. Seeds presented by the United States Embassy, Leopoldville. Originally from the Cameroons. Received Sept. 28, 1961.

276765. 'Marouva'.

276766. 'Neang-Veng'.

**276767 to 276856. SORGHUM BICOLOR (L.) Moench Poaceae.**

From Ethiopia. Seeds presented by the Texas Agricultural Experiment Station, Chillicothe. Received Sept. 28, 1961. From a Dire Dawa Nursery.

An "S" indicates selfed for one year. SA numbers are Texas Agricultural Experiment Station numbers.

276767. SA 2285.	276786. SA 2304. "S".
276768. SA 2286. "S".	276787. SA 2305. "S".
276769. SA 2287.	276788. SA 2306. "S".
276770. SA 2288. "S".	276789. SA 2307.
276771. SA 2289. "S".	276790. SA 2308.
276772. SA 2290. "S".	276791. SA 2309.
276773. SA 2291.	276792. SA 2310. "S".
276774. SA 2292. "S".	276793. SA 2311. "S".
276775. SA 2293.	276794. SA 2312. "S".
276776. SA 2294. "S".	276795. SA 2313. "S".
276777. SA 2295. "S".	276796. SA 2314.
276778. SA 2296. "S".	276797. SA 2315.
276779. SA 2297. "S".	276798. SA 2316.
276780. SA 2298. "S".	276799. SA 2317.
276781. SA 2299. "S".	276800. SA 2318.
276782. SA 2300.	276801. SA 2319.
276783. SA 2301. "S".	276802. SA 2320.
276784. SA 2302. "S".	276803. SA 2321.
276785. SA 2303. "S".	276804. SA 2322.

## 276767 to 276856—Continued

276805. SA 2323.	276831. SA 2349. "S".
276806. SA 2324.	276832. SA 2350. "S".
276807. SA 2325.	276833. SA 2351. "S".
276808. SA 2326.	276834. SA 2352. "S".
276809. SA 2327.	276835. SA 2353. "S".
276810. SA 2328. "S".	276836. SA 2354.
276811. SA 2329. "S".	276837. SA 2355. "S".
276812. SA 2330. "S".	276838. SA 2356. "S".
276813. SA 2331. "S".	276839. SA 2357. "S".
276814. SA 2332. "S".	276840. SA 2358. "S".
276815. SA 2333. "S".	276841. SA 2359. "S".
276816. SA 2334. "S".	276842. SA 2360. "S".
276817. SA 2335. "S".	276843. SA 2361.
276818. SA 2336. "S".	276844. SA 2362. "S".
276819. SA 2337. "S".	276845. SA 2363. 'Mugra'.
276820. SA 2338. "S".	276846. SA 2364. 'Regim Mugra'.
276821. SA 2339. "S".	276847. SA 2365. 'Marui'.
276822. SA 2340. "S".	276848. SA 2366. 'Zenga'.
276823. SA 2341. "S".	276849. SA 2367. 'Fendisha'.
276824. SA 2342. "S".	276850. SA 2368. 'Dongonogof'.
276825. SA 2343. "S".	276851. SA 2369. 'Kengil No. 2'.
276826. SA 2344. "S".	276852. SA 2370. 'Zengada'.
276827. SA 2345.	276853. SA 2371. 'Collubi Dwarf'.
276828. SA 2346. "S".	276854. SA 2372. Eth. Sel. No. 2.
276829. SA 2347. "S".	276855. SA 2373. Eth. Sel. No. 3.
276830. SA 2348. "S".	276856. SA 2374. Eth. Sel. No. 4.

## 276857. ARNICA ALPINA Oliv. &amp; Ladau Asteraceae.

From Austria. Seeds presented by L. Margulena, Animal Husbandry Research Division, U.S. Department of Agriculture, Beltsville, Md. From St. Veit, Ostyral. Received Sept. 29, 1961.

## 276858 to 276895. ORYZA SATIVA L. Poaceae.

## Rice.

From Surinam. Seeds presented by the Agricultural Experiment Station, Paramaribo. Received Sept. 29, 1961.

276858. K 14 Laat.	276867. K 26 Broeg.
276859. K 14 Broeg.	276868. K 27 Laat.
276860. K 18 Laat.	276869. K 27 Broeg.
276861. K 18 Broeg.	276870. K 29 Laat.
276862. K 22 Laat.	276871. K 29 Broeg.
276863. K 22 Broeg.	276872. K 31 Laat.
276864. K 25 Laat.	276873. K 31 Broeg.
276865. K 25 Broeg.	276874. K 37 Laat.
276866. K 26 Laat.	276875. K 37 Broeg.

**276858 to 276895—Continued**

276876. K 47 Laat.	276886. K 68 Laat.
276877. K 47 Broeg.	276887. K 68 Broeg.
276878. K 55 Laat.	276888. K 72 Laat.
276879. K 55 Broeg.	276889. K 72 Broeg.
276880. K 59 Laat.	276890. K 76 Laat.
276881. K 59 Broeg.	276891. K 76 Broeg.
276882. K 61 Laat.	276892. K 81 Laat.
276883. K 61 Broeg.	276893. K 81 Broeg.
276884. K 65 Laat.	276894. K 82 Laat.
276885. K 65 Broeg.	276895. K 82 Broeg.

**276896 and 276897.**

From the Philippines. Seedlings presented by the Bureau of Plant Industry, International Cooperation Administration, Manila. Received Oct. 2, 1961.

276896. *MALUS BACCATA* (L.) Moench. Malaceae. **Siberian crabapple.**  
From Baguio City.

276897. *PYRUS PYRIFOLIA* (Burm.) Nakai Malaceae.  
From Baguio City.

**276898 and 276899.**

From British Guiana. Plants presented by the Department of Agriculture, Georgetown. Received Oct. 2, 1961.

276898. *ECHINOCHLOA POLYSTACHYA* (HBK.) Hitchc. Poaceae.

276899. *PANICUM PURPURASCENS* Raddi Poaceae. **Paragrass.**

**276900. ABUTILON LEUCOPETALUM F. Muell. Malvaceae.**

From Australia. Seeds presented by the Botanic Garden, Adelaide. Received Oct. 3, 1961.

**276901 and 276902. ORYZA SATIVA L. Poaceae. Rice.**

From India. Seeds presented by the Agricultural Research Institute, Rajendranagar, Hyderabad. Received Oct. 3, 1961.

276901. H.R. 19.

276902. MTU 9.

**276903. MALUS SYLVESTRIS Mill. Malaceae.**

From the Union of Soviet Socialist Republics. Trees presented by the Division of Plant Industry, Leningrad. Received Oct. 3, 1961.

'Scedraja'. 'Generouse', seedling of 'Wealthy' raised at Sverdlovsk; tree productive, scab resistant, hardy under Ural conditions; fruit attractive, weight 120 grams, ripens in September.

**276904. BISERRULA PELECINUS L. Fabaceae.**

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas, Madrid. Received Oct. 4, 1961.

**276905. FRAGARIA CHILOENSIS var. ANANASSA Hort. Rosaceae.**

From Canada. Plants presented by the Experimental Farm, Agassiz, British Columbia. Received Oct. 10, 1961.

'Auchincruive No. 6'.



**276906 to 276942.**

From Ireland. Plants presented by An Roinn Talmhaichta, Dublin. Received Oct. 11, 1961.

276906. *ABIES BALSAMEA* var. *HUDSONIA* (Jacques) Sudw. Pinaceae.  
276907. *ALOCASIA AUGUSTIANA* L. Lind. & Rodig. Araceae.  
276908. *ALOCASIA ODORA* C. Koch  
276909. *ALOCASIA* sp.  
276910. *ALOCASIA* sp.  
276911. *ALOCASIA* sp.  
276912. *BREDIA TUBERCOLATA* (Guill.) Diels Pyrolaceae.  
276913. *CENTAUREA RUTIFOLIA* Sibth. & Sm. Asteraceae.  
276914. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Pinaceae.  
Lawson falsecypress.

'Minima Aureo-Rogersii'.

276915. CHAMAECYPARIS LAWSONIANA f. NANA (Dauvesse) Beissner  
276916. CHAMAECYPARIS OBTUSA (Sieb. & Zucc.) Endl. **Hinoki falsecypress.**  
'Hage',

276917. CHAMAECYPARIS OBTUSA f. SANDERI (Sander ex Masters) Rehder  
276918. CHAMAECYPARIS OBTUSA f. TETRAGONA Rehder

'Minima'.

276919. CHAMAECYPARIS PISIFERA (Sieb. & Zucc.) Endl. Sawara retinospora.

'Plumosa Argentea'.

- 276920 and 276921.** CRYPTOMERIA JAPONICA (L.f.) D. Don Pinaceae.  
Common cryptomeria.

**276920.** 'Cristata'.

276921. 'Vilmoriniana'.

276922. EUPHORBIA PUNICEA Sw. Euphorbiaceae.  
276923. GRAPHTOPHYLLUM HORTENSE Nees. Acanthaceae.  
276924. JUNIPERUS PROCUMBENS (Endl.) Miq. in Sieb. & Zucc. Pinaceae.  
276925. JUNIPERUS JAPONICA f. COMPRESSA (Carr.) Rehder  
276926. JUNIPERUS JAPONICA var. SAXATILIS Pall.  
276927. JUNIPERUS JAPONICA var. SAXITALIS Pall.  
276928. LEDENBERGIA ROSEO-AENEA Lem. Phytolaccaceae.  
276929. NAPOLEONA IMPERIALIS Beauv. Lecythidaceae.  
276930 and 276931. PICEA ABIES (L.) Karst. Pinaceae. Norway spruce.

276930. 'Nidiformis'.

276931. 'Repens'.

276932. *PICEA ABIES* f. *GREGORYANA* (Gord.) Rehder  
276933. *PLEOMELE CYLINDRICA* N.E. Br. Liliaceae.  
276934. *PHYLLAGATHIS ROTUNDIFOLIA* Blume Melastomaceae.  
276935. *SEQUIOIA SEMPERVIRENS* (Lamb.) Endl. Pinaceae.

'Cantab'.

- 276936. TALINUM PANICULATUM (L.) Willd. Portulacaceae.**

## 276906 to 276942—Continued

276937. *TAXUS BACCATA* L. Taxaceae.

English yew.

'Pygmaea'.

276938. *THUJA OCCIDENTALIS* L. Pinaceae.

'Pygmaea'.

276939. *THUJA ORIENTALIS* L.

Oriental arborvitae.

'Ericoides'.

276940. *THUJA ORIENTALIS* f. *JUNIPEROIDES* (Carr.) Asch. & Graeb.276941. *THUJA PLICATA* D. Don

Giant arborvitae.

276942. *THUJOPSIS DOLABRATA* f. *NANA* (Endl.) Beiss. Pinaceae.276943 to 276950. *SACCHARUM* (hybrids). Poaceae.

Sugarcane.

From the United States. Cuttings presented by C. Brewer &amp; Co., Honolulu, Hawaii. Received Oct. 12, 1961.

276943. 48-4899.

276947. 50-2542.

276944. 49-5.

276948. 50-7209.

276945. 49-134.

276949. 53-263.

276946. 49-3533.

276950. 53-1447.

## 276951 to 276962.

From Fiji. Rhizomes and cuttings presented by the Colonial Sugar Refining Company, Limited, Lautoka. Received Oct. 16, 1961.

276951 to 276956. *MISCANTHUS FLORIDULUS* (Labill.) Warb. ex Schum. & Laut. Poaceae.

276951. 'Fiji 65'.

276954. 'Fiji 68'.

276952. 'Fiji 66'.

276955. 'Fiji 69'.

276953. 'Fiji 67'.

276956. 'Fiji 70'.

276957 to 276962. *SACCHARUM* (hybrids). Poaceae.

Sugarcane.

276957. 'Fiji 13'.

276960. 'Fiji 57'.

276958. 'Fiji 45'.

276961. 'Fiji 63'.

276959. 'Fiji 47'.

276962. 'Fiji 64'.

276963. *PELARGONIUM* (hybrid). Geraniaceae.

From Great Britain. Cuttings presented by the Royal Botanic Gardens, Kew, Richmond, Surrey, England. Received Oct. 16, 1961.

'Gustav Emich'.

## 276964 to 277000.

From Japan. Seeds presented by the National Institute of Genetics, Misimi.

Original sources indicated. Received Oct. 17, 1961.

276964. *AEGILOPS BICORNIS* (Forsk.) Jaub. & Spach. Poaceae.

No. 15.

276965 and 276966. *AEGILOPS BIUNCIALIS* Visiani

276965. No. 6. Asia Minor.

276966. No. M 4. Asia Minor.

276967. *AEGILOPS CAUDATA* L.

No. 10.

## 276964 to 277000—Continued

276968 and 276969. *AEGILOPS COLUMNARIS* Zhuk.

276968. No. 5. Turkey.

276969. No. M 3.

276970. *AEGILOPS COMOSA* Sibth. & Smith

No. 11.

276971 to 276973. *AEGILOPS CRASSA* Boiss.

276971. No. 17. Iraq.

276972. No. 18. Tashkent.

276973. No. 2302. Afghanistan.

276974 to 276976. *AEGILOPS CYLINDRICA* Host

276974. No. 9.

276975. No. M 7. Turkestan.

276976. No. 2401. Iran.

276977. *AEGILOPS LONGISSIMA* Schweinf. & Muschl.

No. 14. Palestine.

276978. *AEGILOPS OVATA* L.

No. 2.

276979. *AEGILOPS SPELTOIDES* Tausch

No. 13.

276980 to 276985. *AEGILOPS SQUARROSA* L.

276980. No. 16. Caucasus.

276981. No. M 9. Turkestan.

276982. No. 2001. 'Typica'. Pakistan.

276983. No. 2016. 'Anathera'. Pakistan.

276984. No. 2112. 'Strangulata'. Iran.

276985. No. 2115. 'Meyeri'. Iran.

276986 to 276989. *AEGILOPS TRIARISTATA* Willd.

276986. No. 3.

276987. No. 4. Turkey.

276988. No. M 1. Asia Minor.

276989. No. M 2.

276990 to 276992. *AEGILOPS TRIUNCIALIS* L.

Barb goatgrass.

276990. No. 8.

276991. No. M 6. Afghanistan.

276992. No. 2506. Afghanistan.

276993. *AEGILOPS TURCOMANICA* Roshev.

No. 19.

276994. *AEGILOPS UMBELLULATA* Zhuk.

No. 1. Turkey.

276995 and 276996. *AEGILOPS UNIARISTATA* Visiani

276995. No. 12. Turkey.

276996. No. M 8. Asia Minor.



**276964 to 277000—Continued**276997 and 276998. *AEGILOPS VARIABILIS* Eig

276997. No. 7. Syria.

276998. No. M 5. Tel Aviv, Israel.

276999 and 277000. *AEGILOPS VENTRICOSA* Tausch

276999. No. 20.

277000. No. M 10.

**277001 and 277002.**

From Mexico. Seeds presented by Francisco A. Flores, Mazatlan. Received Oct. 17, 1961.

277001. *CNIDOSCOLUS ELASTICUS* Lundell Euphorbiaceae.

Red.

277002. *CNIDOSCOLUS TEPIQUENSIS* (Cost. & Gall.) McVaugh Chilte.  
White.

**277003 to 277011.**

From Paraguay. Seeds presented by the Instituto Agronomico Nacional, Servicio Tecnico Inter-Americano de Cooperation Agricola, Caacupe. Received Oct. 18, 1961.

277003. *PASPALUM DILATATUM* Poir. Poaceae. Dallisgrass.277004. *PASPALUM GUARANITICUM* Parodi277005. *PASPALUM GUENOARUM* Arech.277006. *PASPALUM NICORAE* Parodi277007 to 277009. *PASPALUM NOTATUM* Fluegge Bahiagrass.

277007. 'Bahia'.

277008. 'Ciptón'.

277009. 'Pensacola'.

277010. *PASPALUM PLICATULUM* Michx. Blackgrass.277011. *PASPALUM ROJASII* Hack.

**277012 to 277019. TRITICUM AESTIVUM L. Poaceae.**  
**Common wheat.**

From Spain. Seeds obtained from Luis M. Villena, Zaragoza. Rust resistant varieties. Received Oct. 18, 1961.

277012. I 826. 3853. 277016. I 830. 3965.

277013. I 827. 3856. 277017. I 831. 3868.

277014. I 828. 3859. 277018. I 832. 3871.

277015. I 829. 3862. 277019. I 833. 3874.

**277020 to 277025. RICINUS COMMUNIS L. Euphorbiaceae.**  
**Castorbean.**

From Argentina. Seeds presented by the Secretaria de Estado de Agricultura y Ganaderia de la Nacion, Bueno Aires. Received Oct. 18, 1961.

277020. La Paz Province, Entre Rios.

277021. 'Azabache', LB 1, 13113. Las Brenas, Chaco Province. Seeds dark gray.

## 277020 to 277025—Continued

277022. 'Blanco', LB 2, 13114. Las Brenas, Chaco Province. Seeds large, off-white.

277023. 'Pelon'. La Paz, Entre Rios Province. Plant hairless.

277024. 'Petizo'. La Paz, Entre Rios Province. Plant dwarf.

277025. 'Sanguineo', LB 7. Common in Las Brenas, Chaco Province.

## 277026 to 277043.

From Uruguay. Seeds presented by Botany Laboratory, Faculty of Agriculture, Montevideo. Received Oct. 18, 1961.

277026. *PASPALUM ALMUM* Chase Poaceae.

277027. *PASPALUM ARECHAVALETAE* Hack. ex Arechav.

277028. *PASPALUM CROMYORRHIZON* Trin.

277029. *PASPALUM DILATATUM* Poir.

Dallisgrass.

277030. *PASPALUM EXALTATUM* Presl

277031. *PASPALUM GUARANITICUM* Parodi

277032. *PASPALUM HAUMANII* Parodi

277033. *PASPALUM INDECORUM* Mez

277034. *PASPALUM JURGENSII* Hack.

277035. *PASPALUM MACULOSUM* Trin.

277036. *PASPALUM NICORAE* Parodi

277037. *PASPALUM PANICULATUM* L.

277038. *PASPALUM PAUCICILIATUM* (Parodi) Herter

277039. *PASPALUM PLICATULUM* Michx.

Blackgrass.

277040. *PASPALUM PUMILUM* Nees

277041. *PASPALUM QUADRIFARIUM* Lam.

277042. *PASPALUM RUFUM* Nees ex Steud.

277043. *PASPALUM YAGUARONENSE* Henr.

## 277044 to 277049.

From India. Seeds presented by R. K. Pradhan, Happy Valley, Gangtok, Sikkim. Received Oct. 18, 1961.

277044. *LILIUM GIGANTEUM* Wall. Liliaceae.

Giant lily.

277045. *LILIUM LONGIFLORUM* Thunb.

Easter lily.

277046. *LILIUM LONGIFLORUM* Thunb.

Easter lily.

'Praecox'.

277047. *LILIUM NEPALENSE* D. Don.

277048. *LILIUM TIGRINUM* Ker

Tiger lily.

277049. *LILIUM WALLICHIANUM* Schult. f.

Wallich lily.

## 277050 to 277058.

From Sweden. Seeds presented by the W. Weibull Seed Company, Landskrona. Received Oct. 19, 1961.

277050 to 277053. *AVENA SATIVA* L. Poaceae.

Common oats.

277050. 'Weibull's 16004'.

277052. 'Weibull's 16229'.

277051. 'Weibull's 16195'.

277053. 'Weibull's 16385'.

**277050 to 277058—Continued**

277054 and 277055. *HORDEUM VULGARE* L. Poaceae.

277054. 'Weibull's 5690'.

277055. 'Weibull's 5741'.

277056 to 277058. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

277056. 'Weibull's Original Ring'.

277057. 'Weibull's 5837'.

277058. 'Weibull's 7389'.

**277059 to 277065.**

From the Union of Soviet Socialist Republics, unless otherwise noted. Seeds presented by the Experiment Station, Parma, Idaho. Received Oct. 19, 1961.

277059 and 277060. *ASTRODAUCUS ORIENTALIS* Drude Apiaceae.

277059. No. 2. Botanical Garden, Baku, Azerbaijan.

277060. No. 3. Botanical Garden, Erevan, Armenia.

277061 and 277062. *CAUCALIS DAUCOIDES* Linn. Apiaceae.

277061. No. 4. Botanical Garden, Erevan, Armenia.

277062. No. 6. Botanical Garden, Bucharest, Rumania.

277063. *CAUCALIS LAPPULA* Grande

No. 7. Botanical Garden, Bucharest, Rumania.

277064 and 277065. *DAUCUS CAROTA* L. Apiaceae. Carrot.

277064. No. 1. Botanical Garden, Baku, Azerbaijan.

277065. No. 5. Botanical Garden, Bucharest, Rumania.

**277066 to 277075. *ALLIUM SATIVUM* L. Liliaceae. Garlic.**

From Argentina. Seeds presented by the Division de Exploraciones e Introduccion de Plantas, Buenos Aires. Received Oct. 19, 1961.

277066. DEIP 20.610. From General Pico (La Pampa).

277067. DEIP 20.611. 'Colorado'. From Balcarce.

277068. DEIP 20.613. 'Colorado Chato'. From Pilar (Cordoba).

277069. DEIP 20.614. 'Cuarentin'. From Pilar (Cordoba).

277070. DEIP 20.615. 'Violeta'. From Pilar (Cordoba).

277071. DEIP 20.628. 'Blanco'. From San Miguel de Tucuman (Tucuman).

277072. DEIP 20.629. 'Colorado'. From San Miguel de Tucuman (Tucuman).

277073. DEIP 20.630. 'Correntino O Brasileiro'. From Concordia (Entre Rios).

277074. DEIP 20.631. 'Cuarenton'. From Concordia (Entre Rios).

277075. DEIP 20.632. 'Blanco Temprano'. From La Banda (Santiago del Estero).

**277076 and 277077.**

From Tunisia. Seeds presented by the International Cooperation Administration, Tunis. Received Oct. 20, 1961.

277076. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.

277077. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae. Berseem clover.



**277078. PENNISETUM SPICATUM (L.) Willd. Poaceae.****Pearl millet.**

From Australia. Seeds presented by the Division of Land Research and Regional Survey, Commonwealth Scientific and Industrial Research Organization, Katherine. Received Oct. 20, 1961.

'Katherine'.

**277079 and 277080. SORGHUM BICOLOR (L.) Moench. Poaceae.**

From Argentina. Seeds presented by the Semillero "El Pelado" Buenos Aires. Received Oct. 20, 1961.

**277079.** 'Granifero Feterita'. Pergamino selection. Seeds predominately brown.

**277080.** 'Sugar Sorghum'. Oliveros selection. Seeds predominately black.

**277081 to 277083. PRUNUS ARMENIACA L. Amygdalaceae.****Apricot.**

From the Union of Soviet Socialist Republics. Scions presented by the All-Union Institute of Plant Industry, Leningrad, March 20, 1961. Numbered Oct. 20, 1961.

**277081.** No. 1265.

**277082.** No. 95.

**277083.** No. N7.

**277084 to 277107.**

From the United States. Plant material collected by J. P. Overcash, Mississippi State University, State College, Mississippi. Numbered Oct. 20, 1961.

**277084. CARYA ILLINOINENSIS (Wang.) K. Koch Juglandaceae. Pecan.**

Col. No. Miss. Pecan No. 1. 'Wright Pecan'. Collected at 1018 Bryant Ave., Pascagoula. Tree circumference 108 inches 36 inches above soil. Annual yield to 500 pounds, 28 nuts per pound. Nut to 2 inches long. Sometimes fills poorly.

**277085. FICUS sp. Moraceae.**

Col. No. Miss. Fig. No. 2. Collected at 607 Torres St., Moss Point. Tree 17 years old and 12 feet high. Bears annually; fruits to 1.5 inches in diameter, dark.

**277086. MALUS sp. Malaceae.**

Col. No. Miss. Crab No. 1. Collected at Box 90, Route 3, Gulfport. Tree 10 to 12 years old, 21 inches in circumference 12 inches above soil line, 31 foot spread; leaves very healthy; fruit 1 inch in diameter.

**277087. MALUS sp.**

Col. No. Miss. Crab No. 2. Collected at Broadmoor Place, Gulfport. Tree 8 feet high, in good condition, under dense shade.

**277088. MALUS sp.**

Col. No. Miss. Apple No. 1. Suckers collected at Box 148, Route 2, Gulfport. Tree less than 10 years old, 12 feet high; no leaf disease present.

**277089. MALUS sp.**

Col. No. Miss. Apple No. 2. Suckers collected at Box 148, Route 2, Gulfport. Tree 10 feet high.

**277090. MALUS sp.**

Col. No. Miss. Apple No. 3. Suckers collected at Box 148, Route 2, Gulfport. Tree 12 feet high.

**277084 to 277107—Continued****277091. MALUS sp.**

Col. No. Miss. Apple No. 4. Collected a few blocks from the Gulf of Mexico, at Broadmoor Place, Gulfport. Tree 10 feet high, heavily laden, but regularly sprayed and fertilized; unknown variety from a nursery.

**277092. MALUS sp.**

Col. No. Miss. Apple No. 5. Collected in backyard, Broadmoor Place, Gulfport. Tree 10 feet high, heavily laden, but regularly sprayed and fertilized; unknown variety from a nursery.

**277093. MALUS sp.**

Col. No. Miss. Apple No. 7. Collected at 1135 Maylane, Pascagoula. Tree 7 feet high; fruit yellow with red stripe.

**277094. MALUS sp.**

Col. No. Miss. Apple No. 8. Collected at 607 Torres St., Moss Point. Tree 7 feet high.

**277095. MALUS sp.**

Col. No. Miss. Apple No. 9. Collected at the Big Level School Road, Route 1, Perkinston. Tree 15 years old, 15 feet high, 12 feet wide, 18 inches in circumference 36 inches above soil line; fruits yellow, ripen mid- to late-July.

**277096. MALUS sp.**

Col. No. Miss. Apple No. 10. Collected at Big Level School Road, Route 1, Perkinston. Tree 20 years old, 16 feet high, 16 feet wide, circumference 24 inches 36 inches above soil line; fruit green with some red, ripens Sept. 1st.

**277097. MALUS sp.**

Col. No. Miss. Apple No. 14. 'Horseapple'. Suckers collected from St. Mary's Street, Centreville. Tree 32 years old, 12 feet high, 12 feet wide, circumference 36 inches 12 inches above soil line, vigorous, productive; fruit yellow, flattened, 10 inches circumference.

**277098. MALUS sp.**

Col. No. Miss. Apple No. 15. Suckers collected from St. Mary's Street, Centreville. Tree 32 years old, 12 feet high, 12 feet wide, circumference 32 inches 12 inches above soil line, productive; fruits yellow, ripen early July, medium size.

**277099. MALUS sp.**

Col. No. Miss. Apple No. 18. Suckers collected at 18 North Circle Drive, Natchez. Tree five years old, 18 feet high, 15 feet wide, trunk 22 inches in circumference 12 inches above soil line; shoots to 18 inches long; leaves healthy; fruit red, texture and flavor resemble 'Winesap'.

**277100. PRUNUS sp. Amygdalaceae.**

Col. No. Miss. Plum No. 9. Collected on Route 4, Lucedale. Tree 15 feet high, 18 feet wide, trunk 28 inches in circumference 24 inches above soil line; fruit clingstone, 1.5 inches in diameter; skin red. Ripens early July.

**277101. PRUNUS sp.**

Col. No. Miss. Plum No. 16. Collected at Box 138, Route 1, Gloster. Tree seven years old, 10 feet high, 12 feet wide, healthy; fruit yellow with red blush.

**277102. PYRUS sp. Malaceae.**

Col. No. Miss. Pear No. 3. Collected at Box 90, Route 3, Gulfport. Tree 35 years old, 35 feet high, 30 feet wide, 25 inches in circumference 12 inches above soil line, in partial shade; new shoots 24 inches long; no fire blight present, few leaf spots.

## 277084 to 277107—Continued

## 277103. PYRUS sp.

Col. No. Miss. Pear No. 6. Collected at 607 Torres Street, Moss Point. Tree trunk 36 inches in circumference 12 inches above soil line, vigorous; fruits green-colored with red blush; no fire blight or leaf spot.

## 277104. PYRUS sp.

Col. No. Miss. Pear No. 7. Collected at Box 255, Rural Route, Pascagoula. Tree trunk 24 inches in circumference 12 inches above soil line, vigor good; crop heavy; very little leaf spot or fire blight.

## 277105. PYRUS sp.

Col. No. Miss. Pear No. 8. Collected at Box 255, Rural Route, Pascagoula. Tree 12 years old; foliage healthy; crop very good.

## 277106. PYRUS sp.

Col. No. Miss. Pear No. 9. Collected at Box 255, Rural Route, Pascagoula. Tree healthy, shows good adaptability in habit and fruit production; fruit half red mid-June; little leaf spot.

## 277107. PYRUS sp.

Col. No. Miss. Pear No. 10. Collected at Fig Farm Road at State Highway 26, Lucedale. Tree 45 feet high, 36 feet wide, circumference 55 inches 36 inches above soil line, excellent vigor; fruit crop light, to 4 bushels; no leaf spot.

## 277108. LUPINUS NOOTKATENSIS Sims Fabaceae.

From Iceland. Seeds presented by Skograekt Rikisins, Reykjavik. Received Oct. 23, 1961.

## 277109 to 277142.

From Germany. Seeds presented by the Deutsche Akademie der Wissenschaften, Institut für Kulturpflanzenforschung, Berlin. Original sources indicated. Received Oct. 23, 1961.

"A" numbers are spring forms and "H" numbers are winter forms.

## 277109. SECALE CEREALE L. Poaceae.

Rye.

A Sgt 61. 'Petkuser Sommer'. Petkus/Mark, Germany.

## 277110 to 277119. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

277110. H S 1314/60. 'Erythrosperrum, Blondynka'. Biologische Bundes-Anstalt Braunschweig, Germany.

277111. H S 1553/60. 'Erythrosperrum Belocerkovskaja 198'. ('Erythrosperrum 15' × 'Kovej'). Belocerkovski Experiment Station, Soviet Union.

277112. H S 3077/59. 'Barbarossa Lesostepk 75'. ('Lesostepka 74' × 'Ukrainka'). Belocerkovski Experiment Station, Soviet Union.

277113. H S 3078/59. 'Erythrosperrum Borosilovskaja' ('Kanred' × 'Fulcaster 266 287'). Stavropolski Experiment Station, Soviet Union.

277114. H S 3081/59. 'Ferrugineum Moskovskapa 2453'. All-Union Institute of Plant Industry, Leningrad, Soviet Union.

277115. H S 3085/59. 'Erythrosperrum Odesskaja 12'. All-Union Institute of Plant Industry, Leningrad, Soviet Union.

277116. A TRI 3463/57. 'Barbarossa Pilgrim'. Institut für Pflanzenbau und Pflanzenzüchtung, Hohenheim, Germany.



## 277109 to 277142—Continued

## 277110 to 277119—Continued

277117. A S 7228/60. 'Aureum Saratovskaja' ('Lutescens 2074' × 'Sarroz'). Agricultural Institute, Jugo-Vostok, Soviet Union.
277118. A S 7624/60. 'Lutescens Lutescens 758' ('Kitchener' × 'Lutescens 62'). Agricultural Institute, Jugo-Vostok, Soviet Union.
277119. A S 7631/60. 'Erythrospermum Bezencukskaja 98' ('Lutescens DS 11-21-44' (USA) × 'Erythrospermum V-47'). Kujbysevski Experiment Station, Soviet Union.

## 277120 to 277124. TRITICUM BOEOTICUM Boiss.

277120. H TRI 1773/58. 'Haussknechtii'. Asia Minor.
277121. H TRI 1778/58. 'Symbolonense'. Bayr, Landessaatzucht-Anstalt Weihenstephan.
277122. H TRI 2378/58. 'Mayssuriani'. Institut fur Pflanzenbau und Pflanzenzuchtung, Leipzig, Germany.
277123. A TRI 3015/60. 'Rufiningrum'.
277124. A TRI 4305/57. 'Reuteri'.

## 277125 to 277128. TRITICUM DURUM Desf.

Durum wheat.

277125. H TRI 1461/58. 'Hordeiforme'. Balkans.
277126. H TRI 1487/57. 'Murciense'. Botanical Garden, University Sofia, Bulgaria.
277127. H TRI 1688/58. 'Erythromelan'. Kreta.
277128. A TRI 4133/58. 'Leucurum'. Italy.

## 277129. TRITICUM MACHA Dekapr. &amp; Men.

- H TRI 1868/58. 'Subletshchumicum'. Experiment Station, Zurich-Oerlikon.

## 277130 to 277140. TRITICUM MONOCOCCUM L.

277130. A TRI 613/59. 'Sofanum'. Balkans.
277131. A TRI 616/59. 'Macedonicum'. Balkans.
277132. A TRI 895/59. 'Hornemannii'. Schlanstedt, Germany.
277133. A TRI 1509/58. 'Nigricultum'. Balkans.
277134. H TRI 1775/58. 'Hornemannii'. Bayr, Landessaatzucht-Anstalt Weihenstephan.
277135. A TRI 1986/56. 'Vulgare'. Balkans.
277136. A TRI 2124/57. 'Atriaristatum'. Balkans.
277137. H TRI 2381/57. 'Vulgare'. Kreta.
277138. A TRI 3409/56. 'Albo-hornemannii'. Bayr, Landessaatzucht-Anstalt Weihens Weihenstephan.
277139. A TRI 3435/56. 'Vulgare'. 'Schwedisches Einkorn'. MPI. fur Zuchtungsforchung, Voldagsen.
277140. A TRI 4309/57. 'Flavescens'.

## 277141 and 277142. TRITICUM SPHAEROCOCCUM Percival

277141. A S 2130/58. 'Rubiginosum'.
277142. A TRI 3556/56. 'Rotundatum'. MPI fur Zuchtungsforchung Voldagsen.

**277143 to 277145. Elettaria cardamomum (L.) Maton**  
**Zingiberaceae. Cardamom.**

From India. Rhizomes presented by the Indian Agricultural Research Institute, New Delhi. Received Oct. 26, 1961.

Grown at Sikkim, India.

277143. 'Ramasai'.

277144. 'Ramnak'.

277145. 'Sawney'.

**277146 to 277148. Linum usitatissimum L. Linaceae. Flax.**

From Canada. Seeds presented by the Plant Research Institute, Central Experimental Farm, Ottawa. Received Oct. 27, 1961.

277146. 'Raja'.

277147. 'Rocket'.

277148. 'Royal'.

**277149 to 277155. Allium sativum L. Liliaceae. Garlic.**

From Spain. Bulbs presented by the Instituto Nacional para la Produccion de Semillas Selectas, Madrid. Received Nov. 7, 1961.

277149. From de Balaguer (Lerida).

277150. From de Cuenca.

277151. From de Valladolid.

277152. 'Bastos O Corellanos'. From de Navarra.

277153. 'Blancos'. From de Villena (Alicante).

277154. 'Finos'. From de Aragon.

277155. 'Morados'. From de Villena (Alicante).

**277156. Caryopteris incana (Thunb.) Miquel. Verbenaceae.**  
**Common bluebeard.**

From Japan. Seeds presented by T. Sakata and Company, Yokohama. Received Nov. 7, 1961. Mixed colors, but mostly blue. Received as *C. mastacanthus*.

**277157. Ecballium elaterium (L.) A. Rich. Cucurbitaceae.**  
**Squirting-cucumber.**

From Spain. Seeds presented by the Servicio de Fomento de la Produccion de Plantas Medicinales, Madrid. Received Nov. 7, 1961.

**277158 to 277163. Zea mays L. Poaceae. Corn.**

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico City. Received Oct. 30, 1961.

277158. 'Papaloapan'. 277161. T 4.

277159. H-503. 277162. T 5.

277160. T 2. 277163. T 6.

**277164 and 277165. Triticum spheerococcum Percival Poaceae.**

From Pakistan. Seeds presented by the Punjab Agricultural College and Research Institute, Lyallpur. Received Oct. 30, 1961.

277164. C 699. 'Randhawai'. Ears bearded, short, dense; awns short, white; glumes dirty white, felted; grains small, roundish, amber, hard; midseason variety.

**277164 and 277165—Continued**

277165. C 702. 'Rubroglabrum'. Ears bearded, short, dense; awns short, red; glumes red, smooth; grains small, roundish, red, hard; midseason variety.

**277166 to 277168. SORGHUM BICOLOR (L.) Moench Poaceae.**

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico City. Received Oct. 30, 1961.

277166. 'Mabere'. Seed dark brown, small.

277167. 'Magune'. Seed light brown, small.

277168. 'Wyundo'. Seed dark brown, small.

**277169. COFFEA ARABICA L. Rubiaceae. Arabian coffee.**

From Ruanda-Urundi. Seeds presented by the Institut National pour l'Etude Agronomique du Congo, Brussels, Belgium. Received Aug. 24, 1961. Numbered Nov. 14, 1961.

R 30.

**277170 to 277172. THEOBROMA CACAO L. Sterculiaceae. Cacao.**

From Colombia. Seeds collected by Wertit Soegeng R. Received Oct. 30, 1961.

277170. Collected near Villa Arteaga, Antioquia. Cultivated tree; cotyledons dark purple; pod green, turning yellow on maturity, almost smooth, without furrow except of its bottlenecked base; apex rounded.

277171. Collected near Villa Arteaga, Antioquia. Tree slender, eight meters high, single-trunked, growing in wild; fruits few, on trunk; cotyledons white; pod 20 by 9 cm., criollo type, very warty, green, turning slightly yellow on ripening.

277172. Collected in a "potrero", near a forest, Puerto Asiz, Putumayo. Tree healthy, five trunked, to 7 meters high, possibly growing in wild and left uncut when the forest was cleared; fruits on the trunks and main branches; cotyledons white; pod of criollo type, 25 by 13.5 cm., green turning yellow on ripening. Of interest because of its white cotyledons and resistance to witches' broom disease.

**277173 and 277174.**

From Germany. Plants purchased from B. Muller Klein Baumschulen, Karlstadt, Main. Received Oct. 30, 1961.

277173. CLEMATIS VITACELLA f. PURPUREA (Loud.) Rehder Ranunculaceae. 'Elegans'.

277174. CLEMATIS (hybrid).

'John Gould Veitch'.

**277175. ROSA RUGOSA Thunb. Rosaceae. Rugosa rose.**

From Japan. Seeds presented by the Kesen-numa Forestry Office, Kesen-numa City, Miyagi Prefecture. Received Nov. 1, 1961.

'Hamanashi'.

**277176 to 277182.**

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Division of Crops and Pastures, Pretoria. Received Nov. 8, 1961.

277176. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

'Barborton No. 4'. DL/61 1231.



**277176 to 277182—Continued**277177. *HIBISCUS LUNARIFOLIUS* Willd.

Rosemallow.

'Barberton No. 9'. DL/61 1232. Received as *H. dongolensis*.277178 to 277182. *HIBISCUS VITIFOLIUS* L.

277178. 'Barberton No. 3'. DL/61/1226.

277179. 'Barberton No. 5'. DL/61/1227.

277180. 'Barberton No. 6'. DL/61/1228.

277181. 'Barberton No. 7'. DL/61/1229.

277182. 'Barberton No. 8'. DL/61/1230.

**277183 to 277185.**

From France. Seeds presented by the Directeur du Jardin des Plantes, Montpellier. Received Nov. 8, 1961.

277183. *AGROPYRON CAMPESTRE* Gren. & Godr. Poaceae.277184. *AGROPYRON JUNCEUM* (L.) Beauv.277185. *AGROPYRON LITTORALE* (Host) Dum.**277186 to 277215. *ARACHIS HYPOGAEA* L. Fabaceae. Peanut.**

From India. Seeds presented by the Division of Entomology, Agricultural Research Institute, New Delhi. Received Nov. 8, 1961.

277186. A.H. 6934.

277201. A.H. 7176.

277187. A.H. 6939.

277202. A.H. 7208.

277188. A.H. 6942.

277203. A.H. 7227.

277189. A.H. 6945.

277204. A.H. 7232.

277190. A.H. 6949.

277205. A.H. 7233.

277191. A.H. 6957.

277206. A.H. 7235.

277192. A.H. 6970.

277207. A.H. 7236.

277193. A.H. 6972.

277208. A.H. 7241.

277194. A.H. 6973.

277209. A.H. 7260.

277195. A.H. 7014.

277210. A.H. 7264.

277196. A.H. 7023.

277211. A.H. 7266.

277197. A.H. 7029.

277212. A.H. 7324.

277198. A.H. 7047.

277213. A.H. 7326.

277199. A.H. 7082.

277214. A.H. 7335.

277200. A.H. 7084.

277215. A.H. 7337.

**277216 to 277255. *ORYZA SATIVA* L. Poaceae.**

Rice.

From China. Seeds presented by the Agricultural Research Institute, Taipei, Taiwan. Received Nov. 8, 1961.

277216. 'Chia-nan 2'.

277223. 'Kaohsiung 10'.

277217. 'Chia-nan 8'.

277224. 'Kaohsiung 22'.

277218. 'Chia-nan 14'.

277225. 'Kaohsiung 24'.

277219. 'Chia-nung Yu 280'.

277226. 'Kaohsiung 27'.

277220. 'Hsiao Nan-Sen'.

277227. 'Kaohsiung 41'.

277221. 'Hsinchu 50'.

277228. 'Kaohsiung 45'.

277222. 'Hsinchu 58'.

277229. 'Kaohsiung 64'.

## 277216 to 277255—Continued

277230. 'Kwan-fu 401'.	277243. 'Taichung 178'.
277231. 'Liu-tou-tze'.	277244. 'Taichung 180'.
277232. 'Nung Yu 1804'.	277245. 'Taichung Pai-co'.
277233. 'Nung Yu 1805'.	277246. 'Taichung Special 6'.
277234. 'Sun-lee Sen'.	277247. 'Tainan 1'.
277235. 'Taichung 122'.	277248. 'Taipei 127'.
277236. 'Taichung 150'.	277249. 'Taipei 306'.
277237. 'Taichung 153'.	277250. 'Taipei 307'.
277238. 'Taichung 155'.	277251. 'Taipei Woo-co'.
277239. 'Taichung 160'.	277252. 'Taitung 1'.
277240. 'Taichung 170'.	277253. 'Taitung 16'.
277241. 'Taichung 171'.	277254. 'Taitung 24'.
277242. 'Taichung 173'.	277255. 'Yoshino 1'.

277256 to 277262. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Kenya. Seeds presented by the Ministry of Agriculture, Irrigation Research Station, Nairobi. Received Nov. 8, 1961.

- 277256. 'Afaa' (MZ). Originally from Tanganyika.
- 277257. 'Afaa' (Nyanza).
- 277258. 'Faya' (Nyanza).
- 277259. 'Gamti'. Originally from Tanganyika.
- 277260. 'MBRI'.
- 277261. 'Mngazija'. Originally from Zanzibar. Hulls brown.
- 277262. 'Sc. 70'. Originally from Tanganyika.

277263. *MAGNOLIA* (hybrid). Magnoliaceae.

From the District of Columbia. Plant growing at the United States National Arboretum, Washington, D. C. Numbered Nov. 8, 1961.

'Freeman'. (*M. virginiana* × *M. grandiflora*). NA 12203. Developed and selected at the National Arboretum. Tree 30 years old and about 25 feet high, columnar, free flowering; foliage evergreen, glossy; flowers white, cup shaped, fragrant, intermediate in size between the two species.

277264. *CITRUS ICHANGENSIS* Swingle Rutaceae. **Ichang lemon.**

From India. Seeds presented by the Government Citrus Research Station, Burnihat, Assam. Received Nov. 9, 1961.

'Ketsa-Shupfu'.

277265. *NEPTUNIA MONOSPERMA* F. Muell. Mimosaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Nov. 9, 1961.

From the Kimberley Research Station, Wyndham.

## 277266 to 277289.

From India. Seeds presented by Sutton & Sons, Limited, Calcutta. Received Nov. 9, 1961.

277266. *ALLIUM CEPA* L. Liliaceae.

**Onion.**

'Red Patna'. Attains good size on Indian plains.

**277266 to 277289—Continued**277267 to 277269. *AMARANTHUS GANGETICUS* L. Amaranthaceae.**Ganges amaranth.**

277267. 'Champa Natia'. Plants dwarf, bushy; leaves small. Used in same manner as spinach.

277268. 'Green Dengo'.

277269. 'Lal'. Plants bushy, to 3 feet high. "Red Indian Spinach" sometimes used as substitute for asparagus.

277270. *BETA VULGARIS* L. Chenopodiaceae.**Common beet.**

'Banerjee's Giant'. Plants robust; leaves large, fleshy; used as spinach substitute. Allow 2 to 3 feet between plants.

277271 to 277277. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae.**Cauliflower.**

Varieties cultivated on plains.

277271. 'Early Banaras'. Heads large, compact.

277272. 'Early Market'. Outstanding early variety, heads large and compact.

277273. 'Early Patna'. Quality superb, reliable.

277274. 'Indian Snowball'. Late variety recommended for hills and plains.

277275. 'Maincrop Banaras'. Early to midseason variety.

277276. 'Maincrop Patna'. Midseason to late variety.

277277. 'Late Banaras'. Heads large, white, solid; texture close. Reliable.

277278. *BRASSICA OLERACEA* var. *CAPITATA* L.**Cabbage.**

'Pride of India'. Heads very large, firm, early; quality good.

277279. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae.**Watermelon.**

'Tarmuj'. Fruit large, delicious.

277280 to 277284. *CUCUMIS MELO* L. Cucurbitaceae.**Muskmelon.**

277280. 'Kakri'. Fruit long, tender, tasty.

277281. 'Kankur'. Fruit large, tasty. Used as substitute for squash when young and tender.

277282. 'Kharbuza'. Fruits delicious.

277283. 'Phoontee'. Fruit size and shape variable, used as vegetable when young and tender.

277284. 'Sarda'. The 'Lucknow' melon; delicious.

277285. *DAUCUS CAROTA* L. Apiaceae.**Carrot.**

'Champion Scarlet Horn'. Primary root cylindrical, unusually free from core; flesh deep red, tender, tasty.

277286. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.**Tomato.**

'Early Scarlet'. Recommended for growing during monsoons on Indian plains. Fruit small.

277287 to 277289. *SOLANUM MELONGENA* L. Solanaceae.**Eggplant.**

277287. 'Banaras Giant White'.

277288. 'Long Purple'.

277289. 'Muktakeshi'. Skin very thin; flesh soft, palatable; seeds small. Considered best.



**277290 to 277312. GOSSYPIUM BARBADENSE L. Malvaceae.**  
**Sea-island cotton.**

From Peru. Seeds presented by the Instituto de Genetica, Sociedad Nacional Agraria, Lima. Received Nov. 9, 1961.

Tanguis strains.

277290. No. SNA 248.	277302. No. 6467.
277291. No. 1517.	277303. No. 6936.
277292. No. 2603.	277304. No. 6937.
277293. No. 4810.	277305. No. 7004.
277294. No. 4816.	277306. No. 7006.
277295. No. 4818.	277307. No. 7191.
277296. No. 5042.	277308. No. 7267.
277297. No. 6110.	277309. No. 7305.
277298. No. 6387.	277310. No. 7317.
277299. No. 6397.	277311. No. 7327.
277300. No. 6444.	277312. No. 7580.
277301. No. 6445.	

**277313. ORYZA SATIVA L. Poaceae. Rice.**

From Brazil. Seeds presented by the Instituto Agronomico, Campinas. Received Nov. 13, 1961.

'Dourado Precoco'.

**277314 to 277328.**

From Uruguay. Seeds presented by the Facultad de Agronomia, Laboratorio de Botanica, Montevideo. Received Nov. 13, 1961.

277314. PASPALUM ALMUM Chase	Poaceae.
277315. PASPALUM ARECHAVALETAE Hack.	ex Arechav.
277316. PASPALUM CROMYORRHIZON Trin.	
277317. PASPALUM DILATATUM Poir.	Dallisgrass.
277318. PASPALUM EXALTATUM Presl	
277319. PASPALUM PAUCICILIATUM (Parodi) Herter	
277320. PASPALUM HAUMANII Parodi	
277321. PASPALUM INDECORUM Mez	
277322. PASPALUM JURGENSII Hack.	
277323. PASPALUM NICORAE Parodi	
277324. PASPALUM PANICULATUM L.	
277325. PASPALUM PLICATULUM Michx.	Blackgrass.
277326. PASPALUM PUMILUM Nees	
277327. PASPALUM QUADRIFARIUM Lam.	
277328. PASPALUM URVILLEI Steud.	Vaseygrass.

**277329. ALLIUM SATIVUM L. Liliaceae. Garlic.**

From the United Arab Republic (Egypt). Bulbs presented by the Ministry of Agriculture, Cairo. Received Nov. 14, 1961.

**277330. CITRUS AURANTIFOLIA (Christm.) Swingle Rutaceae. Lime.**

From British Guiana. Seeds presented by Central Agricultural Station, Mon Repos. Received Nov. 14, 1961.

'West Indian'.

**277331 to 277335. VITIS VINIFERA L. Vitaceae. European grape.**

From Argentina. Plants presented by Zeraida Fernandez-Montero, Mendoza. Received at San Francisco, California, Aug. 29, 1961. Numbered Nov. 14, 1961.

277331. 'Chenin Blanc'.

277334. 'Pinot Noir'.

277332. 'Pinot Blanc'.

277335. 'Riesling'.

277333. 'Pinot Chardonnay'.

**277336 and 277337.**

From the Union of Soviet Socialist Republics. Scions presented by the All-Union Institute of Plant Industry, Leningrad. Received Nov. 14, 1961.

277336. *MALUS* (hybrid). Malaceae.

'Desertnoe Petrova' ('Petrov's Dessert'). Bred at Moscow Horticultural Research Station from 'Koricnoe Polosatoe' (brown striped) × 'White Winter Calville'. Yields heavy, ripens in August; fruit medium to large, tender, fragrant; flesh sweet.

277337. *VITIS* (hybrid). Vitaceae.

'Hasanskij Bous'. Bred at Hasan State Farm, Primore.

**277338 to 277345. COFFEA ARABICA L. Rubiaceae.**

**Arabian coffee.**

From Nyasaland. Seeds presented by the Bvumbwe Agricultural Station, Limbe. Countries of origin indicated. Received Sept. 19, 1961.

277338. Unnamed selection.

Brazil.

277339. K 7. Kenya.

277343. KP. 423. Tanganyika.

277340. Ke. 20. Kenya.

277344. L. 1. Tanganyika.

277341. SL. 14. Kenya.

277345. N. 5. Tanganyika.

277342. KP. 162. Tanganyika.

**277346 and 277347.**

From the Netherlands. Plants purchased from L. Konijn & Company, Reeuwijk. Numbered Nov. 14, 1961.

277346. *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl. Pinaceae.

**Hinoki falsecypress.**

'Lutea Nova'.

277347. *CHAMAECYPARIS PISIFERA* (Sieb. & Zucc.) Endl.

**Sawara retinospora.**

'Compacta Variegata'.

**277348. CHAMAECYPARIS OBTUSA (Sieb. & Zucc.) Endl.**

**Pinaceae.**

**Hinoki falsecypress.**

From the Netherlands. Plants purchased from the Old Farms Nursery, Boskoop. Numbered Nov. 14, 1961.

'Lycopodioides Aurea'. A sport of *C. obtusa* 'Lycopodioides' with bright yellow leaves.

**277349. ALLIUM CEPA L. Liliaceae.****Onion.**

From Lebanon. Bulbs presented by the American University of Beirut, Beirut. Received Nov. 14, 1961.

'Suri'.

**277350. HIBISCUS HETEROPHYLLUS Vent. Malvaceae.**

From Australia. Seeds presented by the Department of Agriculture and Stock, Brisbane. Received Nov. 14, 1961.

Clay loam soil, cleared softwood scrub, Tierawoomba, southeast of Nebo, Leichhardt District. Shrub to 10 feet high, readily eaten by stock.

**277351. CAMELLIA ASSIMILIS Champ. ex Benth. Theaceae.**

From Hong Kong. Seeds presented by the Gardens Division, Urban Services Department, Victoria. Received Nov. 14, 1961.

**277352 to 277354.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Nov. 20, 1961.

277352. *AGROPYRON CRISTATUM* (L.) Gaertn. Poaceae.

**Crested wheatgrass.**

277353. *AGROPYRON DESERTORUM* (Fisch. ex Link) Schult.

**Standard wheatgrass.**

277354. *AGROPYRON DESERTORUM* (Fisch. ex Link) Schult.

**Standard wheatgrass.**

**277355 to 277363. GLORIOSA (hybrids). Melanthiaceae.**

From Rhodesia. Seeds presented by S. P. Lancaster, Salisbury. Received Nov. 20, 1961.

277355. 'African Chief' (Superba type).

277356. 'Aurora' (Latifolia type).

277357. 'Crimson King' (Simplex type).

277358. 'Lilac Lady' (Carsoni type).

277359. 'Orange Gem' (Virescens type).

277360. 'Orange Gift' (Virescens type).

277361. 'Orange King' (Virescens type).

277362. 'Red Glory' (Magnifica type).

277363. 'Twisted Tips' (Superba type).

**277364. TRITICUM AESTIVUM L. Poaceae.****Common wheat.**

From Japan. Seeds presented by the Japanese Food Agency, Food and Agricultural Organization. Received Nov. 20, 1961.

Norin No. 10. Reportedly rust resistant.

**277365. SACCHARUM SPONTANEUM L. Poaceae.**

From India. Seeds collected by J. R. Harlan, agricultural explorer, New Crops Research Branch, Plant Industry Station, Beltsville, Maryland. Received Nov. 20, 1961.

Stream bed, 20 miles from Dehra Dun, road to Saharanpur. Plants to 9 feet high; bunchgrass with white plumes.

**277366. BRASSICA OLERACEA var. BOTRYTIS L. Brassicaceae.****Cauliflower.**

From Canada. Seeds presented by Stokes Seeds, Limited, Ontario. Received Nov. 20, 1961.

'Super Junior' (Syn: 'Snowcap').



**277367 to 277378.**

From Japan. Seeds presented by the Laboratory of Plant Breeding, College of Agriculture, Utsumomiya University, Utsumomiya. Received Nov. 20, 1961.

**277367 to 277372. VICIA (hybrids). Fabaceae.**

277367. Amphidiploid; early flowering.

277368. No. 1. Originally from China.

277369. No. 4. Originally from China.

277370. No. 5. 'Nasu Hybrid'. From Nishinasune.

277371. No. 6. 'Nasu Hybrid'. From Nishinasune.

277372. No. 9. 'Nasu Hybrid'. From Nishinasune.

**277373 to 277376. VICIA ANGUSTIFOLIA L. Fabaceae.**

277373. 'Nasu No. 1'. Selected from wild lines. From Nishinasune.

277374. 'Nasu No. 7'. Selected from wild lines. From Nishinasune.

277375. Parent of amphidiploid 1955.

277376. Parent of hybrid lines 1961.

**277377 and 277378. VICIA SATIVA L. Common vetch.**

277377. Parent of amphidiploid lines. Originally from China.

277378. Parent of hybrid lines. Originally from China.

**277379 to 277403. HORDEUM VULGARE L. Poaceae.**

From Ethiopia. Seeds presented by I. E. Siegenthaler, Oklahoma State University representative, Jimma. Received Nov. 29, 1961.

Sample No.	Area or market	Village	Province	
277379. S-1	Janjero	Seharo	Kaffa	
277380. S-2	Janjero	Seharo	Kaffa	
277381. S-3	Mizan Teferi	Mizan Teferi	Kaffa	
277382. S-4	Mizan Teferi	Mizan Teferi	Kaffa	Seeds blackish.
277383. S-5	Mizan Teferi	Mizan Teferi	Kaffa	Seeds gray.
277384. S-6	Mizan Teferi	Mizan Teferi	Kaffa	Seeds gray.
277385. S-7	Ch-ela-lo	Asala	Shoa	
277386. S-8	Ch-ela-lo	Asala	Shoa	
277387. S-9	Adi Ugri	Adi Ugri	Tigre	
277388. S-10	Chekanus	Chekanus	Harrar	
277389. S-11	Bede Gebabe	Fiche	Shoa	Seeds gray.
277390. S-13	Ada Debabe	Fiche	Shoa	
277391. S-15	Galetcha	Galetcha	Shoa	
277392. S-17	Galetcha	Galetcha	Shoa	Seeds blackish.
277393. S-18	Holleta	Holleta	Shoa	Seeds blackish.
277394. S-19	Dadi	near Holleta	Shoa	
277395. S-20	Sekekala			
277396. S-21	Galichi	near Fiche	Shoa	
277397. S-22	Ch-ela-lo	Asala	Arussi	
277398. S-24	Samarita		U.S.A.	Seeds gray.

**277379 to 277403—Continued**

Sample No.	Area or market	Village	Province
277399. S-25	Alemaya	Alemaya	Harrar Seeds blackish.
277400. S-26	Debre Berhan	Debre Berhan	Shoa
277401. S-27	Debre Berhan	Debre Berhan	Shoa
277402. S-29	Debre Berhan	Debre Berhan	Shoa
277403. S-31	Debre Berhan	Debre Berhan	Shoa

**277404 to 277418.**

From Afghanistan. Seeds collected by the United States Operations Mission, Kabul. Received Nov. 20, 1961.

277404. *BRASSICA RAPA* L. Brassicaceae. Turnip.

An early red, from Tarnab Farm, Peshawar.

277405. *CUCURBITA PEPO* L. Cucurbitaceae. Pumpkin.

277406 to 277418. *ORYZA SATIVA* L. Poaceae. Rice.

277406. 'Daraduni Sardi'.

277407. 'Donduni Kunluz'.

277408. 'Kala Khosha Kundry'.

277409. 'Khoshen Chernti'.

277410. 'Lawongi Safait'.

277411. 'Longi Kunduy'.

277412. 'Monda Kunduy'.

277413. 'Narrow Columi Kundry'.

277414. 'Red Khosha Cerma'.

277415. 'Safut Khosha'.

277416. 'Safut Khosha Cerma'.

277417. 'Shevkati Kundry'.

277418. 'Sook Khosha'.

277419. *PIERIS JAPONICA* (Thunb.) G. Don Ericaceae.

Japanese pieris.

From Japan. Rooted cuttings and scions presented by the Horticulture Section, Ministry of Agriculture and Forestry, Tokyo. Received Nov. 21, 1961.

Red-flowered form.

277420. *PYRUS COMMUNIS* L. Malaceae.

From the Union of Soviet Socialist Republics. Trees presented by the All-Union Institute of Plant Industry, Leningrad. Received Nov. 6, 1961.

'Dessertnaia'. From the Rossoshansk Fruit Station.

277421. *THYRSIA* sp. Poaceae.

From India. Seeds collected by J. R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Nov. 22, 1961.

Col. No. 1216. Upper Kulu Valley, 300 feet above Manli. Plant cornlike.

277422. *CITRUS* sp. Rutaceae.

From Puerto Rico. Budsticks presented by the Agricultural Experiment Station, Rio Piedras. Received Nov. 22, 1961.

'Chironja'.

**277423 and 277424.**

From Ethiopia. Cuttings and bulbs collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Nov. 22, 1961.

**277423. PLECTRANTHUS MARRUBIODES Hochst. Menthaceae.**

Col. No. 7459. One hundred feet above Acachi River, 10 miles south of Addis Ababa, Shoa Prov. Elevation 6,830 feet. Wide-spreading, mostly decumbent, perennial; stems lax; leaves in tufts along stem, gray green, succulent; flowers in spikes, dark blue. Cuttings.

**277424. (Undetermined.)**

Col. No. 7467. Bulbs.

**277425 to 277429. MEDICAGO SATIVA L. Fabaceae. Alfalfa.**

From countries indicated. Selections from previous accessions made at the U.S. Regional Plant Introduction Station, Geneva, New York. Numbered Nov. 22, 1961.

**277425.** Selection from P.I. 204591, from Turkey. Plant vigorous, leafy, to 32 inches high and 60 inches wide; stems large; leaves large, dark green; good seeder. Excellent winter hardiness, spring vigor and summer recovery. Slight susceptibility to black stem and medium susceptibility to leaf spot.

**277426.** Selection from P.I. 204903, from Turkey. Plant vigorous, densely leafy, to 32 inches high and 65 inches wide; stems medium size; leaves large, dark green. Excellent winter hardiness, spring vigor and summer recovery. Slightly susceptible to black stem and leaf spot.

**277427.** Selection from P.I. 217419, from Denmark. Plant erect, vigorous, to 37 inches high and 54 inches wide; stems large; side branches long; leaves large, dark green; flowers variegated; good seeder. Excellent winter hardiness, spring vigor and summer recovery. Very susceptible to black stem and leaf spot.

**277428.** Selection from P.I. 234788, from Sweden. Plants vigorous, to 26 inches high and 65 inches wide; leaf size, color, flowering time and black stem susceptibility variable. Excellent winter hardiness, spring vigor and summer recovery.

**277429.** Selection from P.I. 237723, from Germany. Plant erect, vigorous, leafy, to 40 inches high and 56 inches wide; stems large; leaves large, dark green; flowers variegated, late. Excellent winter hardiness, spring vigor and summer recovery. Some plants tolerant to black stem but susceptible to leaf spot.

**277430 to 277440. TRIFOLIUM SUBTERRANEUM L. Fabaceae. Subterranean clover.**

From Australia. Seeds presented by the Division of Plant Industry, Department of Agriculture, Sydney. Received Nov. 24, 1961.

<b>277430.</b> 'Bacchus Marsh'.	<b>277436.</b> 'Howard'.
<b>277431.</b> 'Burnerang'.	<b>277437.</b> 'Marrar'.
<b>277432.</b> 'Carnamah'.	<b>277438.</b> 'Mt. Barker'.
<b>277433.</b> 'Clare'.	<b>277439.</b> 'Tallarook'.
<b>277434.</b> 'Dwalganup'.	<b>277440.</b> 'Yarloop'.
<b>277435.</b> 'Geraldton'.	

**277441. WENZELIA DOLICHOPHYLLA Tanaka Rutaceae.**

From New Guinea. Seedlings presented by Division of Botany, Department of Forests, Lae. Received Nov. 28, 1961.

Collected in Gogol Valley, Madang District.



**277442. STERCULIA URENS Roxb. Sterculiaceae. Bottletree.**

From India. Seeds presented by the Forest Research Institute and College Dehra Dun. Received Nov. 28, 1961.

**277443 to 277455.**

From sources indicated. Seeds held in storage at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered Nov. 28, 1961.

**277443. PLANTAGO LANCEOLATA L. Plantaginaceae.**

B-52424. Source unknown.

**277444 to 277449. PLANTAGO OVATA Forsk.**

277444. B-49956. Source unknown. Seed packet marked, "1954-Johnson & Salesbury, Inc."

277445. B-49957. Received from Advance Seed Co., Phoenix, Arizona.

277446. B-49958. Source unknown. Seed packet marked "Tetraploid 52-30-6, 1954".

277447. B-51671. 'Kartoon' Knowles No. 978. Collected in bazaar, Cairo, Egypt. Cultivated.

277448. B-52176. Source unknown. Seed packet marked "1957 crop. Tempe, Arizona".

277449. B-52525. Received from Advance Seed Co., Phoenix, Arizona, 1957.

**277450 and 277451. PLANTAGO PSYLLIUM L. Flaxseed plantain.**

277450. B-49960. Source unknown. Seed packet marked "Johnson & Salesbury, Inc., March 1953".

277451. B-52173. Source unknown. Seed packet marked "Tempe, Arizona, 1152".

**277452. PLANTAGO sp.**

B-51672. Knowles No. 810. Collected in bazaar Teheran, Iran.

**277453. PLANTAGO sp.**

B-52171. Seed packet marked "Lot 1158 from Tempe, Arizona, May 1959".

**277454. PLANTAGO sp.**

B-52172. Received from Advance Seed Co., Phoenix, Arizona. No. 5.

**277455. PLANTAGO sp.**

B-52175. Source unknown. Seed packet marked "Tempe, Arizona, 1959".

**277456 to 277487.**

From the United States, unless otherwise noted. Plants growing at the United States Plant Introduction Station, Miami, Florida. Numbered Nov. 29, 1961.

**277456. CITROPSIS SCHWEINFURTHII (Engler) Swingle & Kellerman Rutaceae.**

P.I.S. 17539. Plants received March 1960, from the Citrus Experiment Station, Lake Alfred.

**277457 and 277458. DIMOCARPUS LONGAN Lour. Sapindaceae. Lungan.**

277457. P.I.S. 17428. Plants received June 1959, from Hawaii. Fruit large, quality good.

277458. P.I.S. 17431. Marcots received July 1959, from Hialeah.

**277456 to 277487—Continued**

277459. *EUGENIA UNIFLORA* L. Myrtaceae. **Surinam-cherry.**

P.I.S. 17521. Budwood received January 1960, from Hialeah.

277460 to 277475. *LITCHI CHINENSIS* Sonner Sapindaceae. **Lychee.**

Plants received July 1959, from University of Miami, unless otherwise indicated.

277460. P.I.S. 17438. Ambonia seedling.

277461. P.I.S. 17448. 'Brewster'.

277462. P.I.S. 17454. 'Brewster'. Plants received June 1959, from the Newcomb Nursery, Homestead.

277463. P.I.S. 17469. 'Brewster'. Marcots received Nov. 1959, from the Subtropical Experiment Station, Homestead.

277464. P.I.S. 17443. 'Brewster' on 'Brewster'.

277465. P.I.S. 17446. 'Fi-Tsu-Siu'.

277466. P.I.S. 17447. 'Freke-Hays No. 1'.

277467. P.I.S. 17445. 'Freke-Hays No. 3'.

277468. P.I.S. 17444. 'Groff'.

277469. P.I.S. 17437. 'Groff' on 'Bengal' seedling.

277470. P.I.S. 17439. 'Hueng-Lai'.

277471. P.I.S. 17520. 'Jumbo'. Marcot received January 1960, from Hialeah. Fruit large. Selection from Avon Park.

277472. P.I.S. 17440. 'Late Globe'.

277473. P.I.S. 17441. 'Mauritius'.

277474. P.I.S. 17436. 'Peerless'.

277475. P.I.S. 17538. 'Yellow-red'. Plant received March 1960, from Osprey. Has "chicken-tongue" seed.

277476 to 277480. *MANGIFERA INDICA* L. Anacardiaceae. **Mango.**

Budwood received May 1959, from the Subtropical Experiment Station, Homestead.

277476. P.I.S. 17452. 'Irwin'.

277477. P.I.S. 17451. 'Keitt'.

277478. P.I.S. 17450. 'Kent'.

277479. P.I.S. 17449. 'Sensation'.

277480. P.I.S. 17453. 'Zill'.

277481. *PASSIFLORA EDULIS* Sims Passifloraceae. **Purple granadilla.**

P.I.S. 17457. Cuttings received August 1959, from the Subtropical Experiment Station, Homestead.

277482. *PASSIFLORA EDULIS* f. *FLAVACARPA* Degener.

P.I.S. 17456. Cuttings received August 1959, from the Subtropical Experiment Station, Homestead. Sets fruit well without hand pollination.

277483. *PASSIFLORA SUBEROSA* L. **Cork passionflower.**

P.I.S. 17435. Plants received July 1959, from H. F. Loomis. Native, self fruitful species.

277484. *PASSIFLORA VITIFOLIA* HBK.

P.I.S. 17585. Plants received June 1960, from Fort Lauderdale. Red-flowered passion vine.

**277456 to 277487—Continued**

**277485 to 277487.** *PERSEA AMERICANA* Mill. Lauraceae. **Avocado.**

**277485.** P.I.S. 17459. Seed received August 1959, from the University of Florida, Gainesville. May be cold resistant.

**277486.** P.I.S. 17468. Seed received September 1959 from Riverside, California. Seed from 'Duke'.

**277487.** P.I.S. 17461. 'Duke'. Budwood received September 1959, from Riverside, California. Virus-free.

**277488.** *AMPELOCISSUS ACAPULCENSIS* (HBK.) Planch Vitaceae.

From Mexico. Plants growing at the United States Plant Introduction Station, Miami, Florida. Numbered Nov. 29, 1961.

P.I.S. 17533. Tubers collected in wild 20 miles southeast of Autlan, Jalisco, July 1951, by H. S. Gentry (10967), in mixed forest. Elevation 2,500 feet. Large, coarse vine; fruits large, in heavy, tight clusters, reddish to purple, sweet; skin and pulp tough.

**277489.** *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**

From Spain. Seeds presented by the United States Operations Mission, Madrid. Received Nov. 30, 1961.

'Mielga'.

**277490 to 277492.** *ZEA MAYS* L. Poaceae. **Corn.**

From Peru. Seeds presented by the University of Massachusetts, Amherst. Received Nov. 30, 1961.

Collected at elevations of 1,375 to 2,750 meters.

**277490.** 'Blanco San Geronimo'. Kernels large, pale yellow, flowery, 1.7 by 1.3 cm.

**277491.** 'Cabana'. Kernels brownish white, flowery, flat, tapering to base, flat top, 1.7 by 1.1 cm.

**277492.** 'Morocho Ayacuchano'. Yellow flint. Kernels not deep, rounded at top, 1.4 by 1.2 cm.

**277493 and 277494.**

From the Sudan. Seeds presented by the Cotton Breeding Section, Khartoum. Received Nov. 30, 1961.

**277493.** *GOSSYPIUM* sp. Malvaceae.

**277494.** *NOTOXYLINON AUSTRALE* (Muell.) Lewton Malvaceae.

Collected from plants in wild.

**277495.** *BAUHINIA FASSOGLENSIS* Kotschy Caesalpiniaceae.

From Tanganyika. Seeds presented by the Northern Regional Research Centre, Arusha. Received Dec. 1, 1961.

Collected at Ilonga, Kilosa.

**277496 and 277497.** *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

From Thailand. Seeds presented by the Department of Agriculture, Bangkok. Received Dec. 1, 1961.

**277496.** No. 1. Seeds large, reddish.

**277497.** No. 2. Seeds large, whitish.



**277498 to 277504.**

From the Republic of South Africa. Seeds presented by the Division of Crops and Pastures, Department of Agriculture, Pretoria. Received Dec. 1, 1961.

**277498 and 277499.** *VIGNA CYLINDRICA* (L.) Skeels Fabaceae. Catjang.

277498. DL/61/1433. Seeds brown.

277499. DL/61/1434. Seeds brown.

**277500 and 277501.** *VIGNA LUTEOLA* (Jacq.) Benth.

277500. DL/61/1431. Seed small, dark brown.

277501. DL/61/1432. Seed large, black.

**277502.** *VIGNA SINENSIS* (Torner) Savi

Cowpea.

DL/61/1436. Seeds reddish brown.

**277503.** *VIGNA VEXILLATA* (L.) A. Rich.

DL/61/1435. Seed dark brown.

**277504.** *VIGNA* sp.

DL/61/1437. 'Ex Zeerust'. Seeds small, greenish brown.

**277505 to 277508.** *CARISSA EDULIS* Vahl Apocynaceae.

From Nigeria. Seeds presented by Harold A. Royer, Waka via Bui and Yola. Received Dec. 1, 1961.

277505. No. 1. One-seeded.

277507. No. 3. Three-seeded.

277506. No. 2. Two-seeded.

277508. No. 4. Unselected.

**277509.** *ERIOCHRYSIS PALLIDA* Munro Poaceae.

From the Republic of South Africa. Seeds presented by the Division of Botany, Pretoria. Received Dec. 1, 1961.

**277510.** *TRIFOLIUM ALEXANDRINUM* L. Fabaceae.

Berseem clover.

From Israel. Seeds presented by the Institute of Agronomy and Garden Crops, Plant Introduction Service, Beit-Dagan. Received Dec. 1, 1961.

'Musgabi'. Naturalized.

**277511.** *TERAMNUS LABIALIS* (L.) Spreng. Fabaceae.

From the United States Virgin Islands. Seeds collected at Experiment Station, Kingshill, St. Croix. Numbered Dec. 1, 1961.

'Blue Wiss'. Prostrate vine in wild; flowers small. Of possible use in grass-legume pasture combination in dry soils of low fertility.

**277512 to 277516.** *SACCHARUM OFFICINARUM* L. Poaceae.

Sugarcane.

From India. Cuttings presented by the Sugar Cane Breeding Institute, Coimbatore. Received Dec. 4, 1961.

277512. SES 33.

277515. SES 369.

277513. SES 120A.

277516. SES 372.

277514. SES 361.

**277517.** *ORNITHOGALUM ARABICUM* L. Liliaceae.

Arabian star-of-Bethlehem.

From Israel. Bulbs presented by the Hebrew University, Rehovoth. Received Dec. 4, 1961.

**277518. MALUS TRILOBATA (Labill.) Schneid. Malaceae.**

From the Netherlands. Budsticks presented by the Rijks Tuinbouw School, Wageningen. Received Dec. 5, 1961.

**277519 to 277524.**

From the Netherlands. Plants purchased from F. J. Groostendorst & Sons, Boskoop. Received Dec. 5, 1961.

**277519 to 277523. HIBISCUS SYRIACUS L. Malvaceae . Shrub-althea.**

277519. 'Celestial Blue'.

277520. 'Lady Stanley'.

277521. 'Roseus Plenus'.

277522. 'Speciosus'.

277523. 'Violet Clair'. Flowers double.

**277524. VIBURNUM PLICATUM f. MARIESSI (Veitch) Rehd. Caprifoliaceae.****277525 to 277529. PYRUS COMMUNIS L. Malaceae.**

From France. Cuttings presented by the Museum National d'Histoire Naturelle, Paris. Received Dec. 5, 1961.

277525. 'Guenette'. 277528. 'Sanguine d'Italie'.

277526. 'Petit Muscat'. 277529. 'Sanguinole'.

277527. 'Sanguine'.

**277530 to 277532.**

From Ethiopia. Cuttings and rhizomes collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Dec. 6, 1961.

**277530. KALANCHOE DENSIFLORA Rolfe Crassulaceae.**

Col. No. 7513. Bridge over Acachi River, 10 miles south of Addis Ababa, Shoa Province. Elevation 6,835 feet. Not usually epiphytic, but of rocky places. Probably scattered by birds. Succulent perennial to 30 inches high; flowers orange.

**277531. KALANCHOE MARMORATA Baker**

Col. No. 7518. South-facing, rocky, grassy slopes, above a branch of the Acachi River, about two miles northeast of main road at Acachi, Shoa Province. Elevation 6,900 feet. Succulent, often tufted perennial, about 24 inches high; leaves strongly marmorate; flowers pure white, 3 inches long.

**277532. (Undetermined.) Liliaceae.**

Col. No. 7478. On grassy slopes, near top of valley, 10 miles south of Addis Ababa, above the Acachi River, Shoa Province, with *Hyparrhenia rosea* and *Crotalaria* sp. Elevation 6,835 feet. Rhizomatous perennial; flowering stalks to 30 inches high, but out of flower at this season.

**277533. BISERRULA PELECINUS L. Fabaceae.**

From Italy. Seeds presented by the Food and Agriculture Organization of the United Nations, Rome. Received Dec. 6, 1961.

FAO No. 10.176. From Instituto di Botanica, Orto Botanico, Università di Catania, Catania, Sicily.

**277534. GLYCINE JAVANICA L. Fabaceae.**

From the Republic of South Africa. Seeds presented by the Citrus and Sub-tropical Horticultural Research Station, Nelspruit. Received Dec. 6, 1961.

**277535. TRIFOLIUM AMBIGUUM Bieb. Fabaceae. Kura clover.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Dec. 8, 1961.

This seed shipment was accompanied by soil sample in an effort to obtain a better inoculum for this species.

**277536 to 277544. SORGHUM BICOLOR (L.) Moench Poaceae.**

From the Republic of South Africa. Seeds presented by the Agricultural Technical Services, Pretoria. Received Dec. 8, 1961.

277536. DL/61/1405. PS 281. 'Tjolutjo'.  
 277537. DL/61/1406. PS 141. 'Vorster'.  
 277538. DL/61/1407. PS 294. BC2MS.  
 277539. DL/61/1408. PS 216. 'Radar'.  
 277540. DL/61/1409. PS 279. SB 217.  
 277541. DL/61/1410. PS 226. 'Short Framida'.  
 277542. DL/61/1411. PS 295. SUK 1.  
 277543. DL/61/1412. PS 141. 'Short Vorster'.  
 277544. DL/61/1413. PS 293. 42b.

**277545 to 277629. VITIS VINIFERA L. Vitaceae. European grape.**

From Italy. Cuttings presented by the Università Degli Stidi, Bari. Received December 14, 1961.

- |                   |                   |
|-------------------|-------------------|
| 277545. No. 74-A. | 277568. No. 87-A. |
| 277546. No. 74-B. | 277569. No. 87-B. |
| 277547. No. 75-A. | 277570. No. 88-A. |
| 277548. No. 75-B. | 277571. No. 88-B. |
| 277549. No. 76-A. | 277572. No. 89-A. |
| 277550. No. 76-B. | 277573. No. 89-B. |
| 277551. No. 77.   | 277574. No. 90-A. |
| 277552. No. 78-A. | 277575. No. 90-B. |
| 277553. No. 78-B. | 277576. No. 91-A. |
| 277554. No. 78-C. | 277577. No. 91-B. |
| 277555. No. 80.   | 277578. No. 92-A. |
| 277556. No. 81-A. | 277579. No. 92-B. |
| 277557. No. 81-B. | 277580. No. 93-A. |
| 277558. No. 82-A. | 277581. No. 93-B. |
| 277559. No. 82-B. | 277582. No. 94-A. |
| 277560. No. 83-A. | 277583. No. 94-B. |
| 277561. No. 83-B. | 277584. No. 95-A. |
| 277562. No. 84-A. | 277585. No. 95-B. |
| 277563. No. 84-B. | 277586. No. 96-A. |
| 277564. No. 85-A. | 277587. No. 96-B. |
| 277565. No. 85-B. | 277588. No. 97.   |
| 277566. No. 86-A. | 277589. No. 98.   |
| 277567. No. 86-B. | 277590. No. 99.   |



**277545 to 277629—Continued**

277591. No. 100.	277611. No. 116-B.
277592. No. 101.	277612. No. 117-A.
277593. No. 102.	277613. No. 117-B.
277594. No. 103.	277614. No. 118-A.
277595. No. 104.	277615. No. 118-B.
277596. No. 105.	277616. No. 119-A.
277597. No. 106.	277617. No. 119-B.
277598. No. 107.	277618. No. 120-A.
277599. No. 108.	277619. No. 120-B.
277600. No. 109.	277620. No. 121-A.
277601. No. 110.	277621. No. 121-B.
277602. No. 111.	277622. No. 122.
277603. No. 112-A.	277623. No. 123.
277604. No. 112-B.	277624. No. 124.
277605. No. 113.	277625. No. 125.
277606. No. 114-A.	277626. No. 126.
277607. No. 114-B.	277627. No. 127-A.
277608. No. 115-A.	277628. No. 127-B.
277609. No. 115-B.	277629. No. 127-C.
277610. No. 116-A.	

**277630 to 277634.**

From Japan. Plants and cuttings presented by the Botanical Garden, Osaka City University, Katano, Osaka. Received Dec. 14, 1961.

277630. *HIBISCUS MICRANTHUS* L. f. Malvaceae.

277631 to 277633. *HIBISCUS SYRIACUS* L. Shrub-althea.

277631. 'Shiro-syorin'. Flowers single.

277632. Seedling No. 11. Flowers semidouble.

277633. 'Soft Pink'.

277634. *OPUNTIA* sp. Cactaceae.

**277635 and 277636. *IPOMOEA BATATAS* (L.) Lam.**

Convolvulaceae.

**Sweetpotato.**

From Spain. Tubers presented by the Instituto Nacional de Investigaciones Agronomicas, Madrid. Received Dec. 14, 1961.

277635. I.A.S.9. Stems medium thick, short; petiole short, purple; leaves small, somewhat lobed; veins purple; tubers small, globose; skin and flesh clear yellow.

277636. I.A.S.12. Stem medium thick; leaves large, nearly entire; peduncle long, purple; tubers large, globose, attachment prolonged; skin red; flesh clear yellow.

**277637. *ABIES FIRMA* Sieb. & Zucc. Pinaceae.**

**Momi fir.**

From Japan. Cuttings presented by Ibaraki University, Ibaraki Prefecture. Received Dec. 14, 1961.

Plant from Fukushima Prefecture.

**277638 to 277644. HIBISCUS SYRIACUS L. Malvaceae.****Shrub-althea.**

From France. Plants purchased from F. Delaunay, Establishments Horticoles et Pepinieres, Angers (Maine et Loire). Received Dec. 15, 1961.

277638. 'Leopoldi'.

277639. 'Purpureus Variegatus'.

277640. 'Roseus Plenus'.

277641. 'Rubra Grandiflora'.

277642. 'Sir de Charles Breton'.

277643. 'Totus Albus'.

277644. 'Woodbridge'.

**277645 to 277651.**

From Ireland. Cuttings presented by the Earl of Rosse, Birr Castle, Birr Offaly. Received Dec. 15, 1961.

277645. HIBISCUS PARAMUTABILIS L. H. Bailey Malvaceae.

277646. HIBISCUS SINOSYRIACUS L. H. Bailey.

277647. VIBURNUM EROSUM Thunb. Caprifoliaceae.

YU 15054.

277648. VIBURNUM OVATIFOLIUM Rehder

**Eggleaf viburnum.**

277649. VIBURNUM WILSONII Rehder

277650. VIBURNUM sp.

PYU 13561.

277651. VIBURNUM sp.

PYU 14961.

**277652 and 277653.**

From Japan. Seeds presented by the Ibaraki University, Ibaraki Prefecture. Received Dec. 15, 1961.

277652. CITRUS TUMIDA Hort. ex Tanaka Rutaceae.

From Mount Tsukuba, Ibaraki Prefecture.

277653. RAPHIOLEPIS UMBELLATA (Thunb.) Makino Malaceae.

**Yeddo-hawthorn.**

From Oomura.

**277654. COMBRETUM AUBLETHII DC. Combretaceae.**

From Venezuela. Seeds and budsticks presented by the Instituto Botanico, Apartado 2156, Caracas. Received Dec. 15, 1961.

**277655 to 277662.**

From Germany. Plants purchased from Herm. A. Hesse Baumschulen, Weener. Received Dec. 18, 1961.

277655. HIBISCUS SYRIACUS L. Malvaceae.

**Shrub-althea.**

'Lady Stanley'.

277656. PYRACANTHA COCCINEA Roem. Malaceae.

**Scarlet firethorn.**

'Orange Giant'.

277657. VIBURNUM ERUBESCENS Wall. ex DC. Caprifoliaceae.

277658. VIBURNUM ICHANGENSE (Hemsl.) Rehder

**277655 to 277662—Continued**

277659. *VIBURNUM LOBOPHYLLUM* Graebn.  
 277660. *VIBURNUM* × *RHYTIDOCARPUM* Lemoine  
 277661. *VIBURNUM UTILE* Hemsl. **Service viburnum.**  
 277662. *VIBURNUM WRIGHTII* var. *HESSEI* (Koehne) Rehder

**277663 to 277665.**

From Japan. Seeds presented by the Biological Institute, Ibaraki University, Mito. Received Dec. 18, 1961.

277663. *ACTINODAPHNE LANCIFOLIA* Meisen. Lauraceae.  
 277664. *RAPHIOLEPSIS UMBELLATA* (Thunb.) Makino Malaceae.  
**Yeddo-hawthorn.**

'Mertensii'.

277665. *RHODODENDRON DEGRONIANUM* f. *SPONTANEUM* Nakai Ericaceae.

**277666 and 277667. PHASEOLUS VULGARIS L. Fabaceae.**

From the British West Indies. Seeds presented by the Superintendent of Agriculture, Nassau, Bahamas. Received Dec. 18, 1961.

277666. 'Calico Bean' ('Calico Jacket', 'Coloured Bean'). Beans mottled. Said to be grown around Key West, Florida, where it is called 'K. W. Bean'.

277667. 'White Bean'.

**277668 and 277669. DAUCUS CAROTA L. Apiaceae. Carrot.**

From the Netherlands. Seeds presented by N. V. Sluis en Groot's, Enkhuizen. Received Dec. 18, 1961.

277668. 'Amsterdam Forcing'.  
 277669. 'Amsterdam Vollegronds'.

**277670 to 277684. TRITICUM DICOCCUM Schrank Poaceae. Emmer.**

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas, Madrid. Received Dec. 18, 1961.

277670. No. 2153. 'Escandia de Malvedo'.  
 277671. No. 2155. 'Escandia'.  
 277672. No. 2448. 'Escana Doble Valvude de Jucar'.  
 277673. No. 2471. 'Farrum'.  
 277674. No. 2472. 'Farrum'.  
 277675. No. 2473. 'Farrum'.  
 277676. No. 2474. 'Rufum'.  
 277677. No. 2475. 'Rufum'.  
 277678. No. 2476. 'Rubriramosum'.  
 277679. No. 2477. 'Macratherum'.  
 277680. No. 2478. 'Rubriramosum'.  
 277681. No. 2479. 'Atratum'.  
 277682. No. 2480. 'Melanurum'.  
 277683. No. 2482. 'Majus'.  
 277684. No. 2487. 'Novicium'.



**277685 to 277697.**

From Japan. Seeds presented by the National Agricultural Research Institute, Hiratsuka City, Kanagawa-ken. Received Dec. 18, 1961.

**277685. RHODODENDRON KOMIYAMAE** Makino Ericaceae.

Azalea No. 12. From farmhouse garden at Jurigi.

**277686 to 277694.** Seeds collected from individual plants behind farmhouse, Jurigi village.

**277686. RHODODENDRON** sp.

Azalea No. 1.

**277687. RHODODENDRON** sp.

Azalea No. 2.

**277688. RHODODENDRON** sp.

Azalea No. 3.

**277689. RHODODENDRON** sp.

Azalea No. 4.

**277690. RHODODENDRON** sp.

Azalea No. 5.

**277691. RHODODENDRON** sp.

Azalea No. 6.

**277692. RHODODENDRON** sp.

Azalea No. 7.

**277693. RHODODENDRON** sp.

Azalea No. 8.

**277694. RHODODENDRON** sp.

Azalea No. 9.

**277695. RHODODENDRON** sp.

Azalea No. 10. From farmhouse garden near Jurigi village.

**277696. RHODODENDRON** sp.

Azalea No. 11. From farmhouse garden at Jurigi.

**277697. RHODODENDRON** sp.

Azalea No. 13. Seeds collected from individual plants behind farmhouse, Jurigi village.

**277698 to 277701.**

From Brazil. Seeds presented by D. Aytai, Campinas, Estado de Sao Paulo. Received Dec. 18, 1961.

**277698. VIGNA SINENSIS** (Torner) Savi Fabaceae.

Cowpea.

**277699 to 277701. ZEA MAYS** L. Poaceae.

Corn.

Obtained from native Indian tribes geographically isolated for about a century. Seeds fall off the ear when dry; kernels soft.

**277699.** Kernels red.

**277700.** Kernels white.

**277701.** Kernels bluish-violet.

**277702 and 277703. PRUNUS PERSICA (L.) Batsch**  
**Amygdalaceae.**

**Peach.**

From France. Trees presented by Llugany Jacques & Fils, Elne. Received Dec. 20, 1961.

277702. 'Madeleine Pouvet'. Fruit ripens extremely early, commencing May 15, in Roussillon region, France, and finish about the end of the month.

277703. 'Super Madeleine Pouvet'. Fruit larger than 'Madeleine Pouvet'.

**277704. HIBISCUS MICRANTHUS L. f. Malvaceae.**

From Japan. Seeds presented by the Botanical Garden, Osaka University, Osaka. Received Dec. 20, 1961.

**277705 and 277706. MEDICAGO SATIVA var. GAETULA Urban**  
**Fabaceae.**

From Italy. Seeds presented by the Food and Agriculture Organization of the United Nations, Rome. Originally from Algeria. Received Dec. 20, 1961.

277705. FAO No. 3249.

277706. FAO No. 3317.

**277707. ORYZA SATIVA L. Poaceae.**

**Rice.**

From Italy. Seeds presented by the Istituto di Patologia Vegetale dell' Università, Milan. Received Dec. 20, 1961.

'Riso Trionfo'. Line 8-B.

**277708. MEDICAGO SATIVA var. GAETULA Urban Fabaceae.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Dec. 20, 1961.

C.P.I. 21958. Originally received from Rome, Italy as FAO No. 3276.

**277709. DAUCUS CAROTA L. Apiaceae.**

**Carrot.**

From the Netherlands. Seeds presented by N. V. Rikj Zwaan, Rotterdam. Received Dec. 20, 1961.

'Amsterdammer Bak'.

**277710 and 277711. DAUCUS CAROTA L. Apiaceae.**

**Carrot.**

From the Netherlands. Seeds presented by N. V. Nunhem's Zaden, Haelen. Received Dec. 20, 1961.

277710. 'Amsterdamse Zoete Bak'.

277711. 'Springtime'.

**277712 to 277719. RUBUS IDAEUS var. STRIGOSUS Maxim.**  
**Rosaceae.**

**Common red raspberry.**

From Great Britain. Plants presented by the Scottish Horticultural Research Institute, Mynfield, Invergowrie, by Dundee, Scotland. Received Dec. 21, 1961.

277712. 'Malling Enterprise'.

277716. 'Malling Promise'.

277713. 'Malling Landmark'.

277717. 'Norfolk Giant'.

277714. 'Malling Jewel'.

277718. 'Lloyd George'.

277715. 'Malling Exploit'.

277719. 'Burnethorn Seedling'.

**277720 to 277724.**

From the Netherlands. Plants purchased from the Old Farm Nurseries, Boskoop. Received Dec. 21, 1961.

277720. *CARYOPTERIS* × *CLANDONENSIS* A. Simmonds Verbenaceae.  
 277721. *CARYOPTERIS* *INCANA* (Thunb.) Miquel Common bluebeard.  
 277722. *MAGNOLIA* *SIEBOLDII* K. Koch Magnoliaceae. Oyama magnolia.  
 277723. *MAGNOLIA* × *SOULANGEANA* var. *LENNI* (VanHouette) Rehder  
 277724. *PYRACANTHA* *COCCINEA* var. *LELANDEI* (Duren) Dippel Malaceae.  
 Leland firethorn.

'Orange Glow'.

**277725 to 277727. VITIS VINIFERA L. Vitaceae. European grape.**

From Italy. Cuttings presented by Arturo Ansaloni, Bologna. Received Dec. 27, 1961.

277725. 'Anna Maria'. A, B, C, D and E.  
 277726. 'Montuni'. A, B, C, D and E.  
 277727. 'Ortrugo'. A, B, C, D and E.

**277728 to 277731.**

From Japan. Seeds presented by the Kyushu Agricultural Experiment Station, Kyushu. Received Dec. 28, 1961.

- 277728 and 277729. *RHODODENDRON JAPONICUM* (Gray) Schneid. Ericaceae. Japanese azalea.  
 277728. 'Flavum'. From cultivated plant.  
 277729. Red-flowered form.  
 277730 and 277731. *SYMPLOCOS LUCIDA* Sieb. & Zucc. Symplocaceae.  
 277730. 'Oomra'.  
 277731. 'Oomura'.

**277732 and 277733.**

From Japan. Seeds presented by the Ofunato Regional Forestry Office, Ofunato. Received Dec. 28, 1961.

277732. *RHODODENDRON JAPONICUM* (Gray) Schneid. Ericaceae. Japanese azalea.

Collected at Ubaishi Setamae, Sumida-cho, Kesen-gun, Iwate Prefecture.

277733. *CAMELLIA JAPONICA* L. Theaceae. Common camellia.

Collected along roadside near Mikako, Iwate Prefecture. This is the northern limit of distribution along the Pacific Ocean side of Japan.

**277734. CAMELLIA JAPONICA L. Theaceae. Common camellia.**

From Japan. Seeds presented by the Biological Institute, Ibaraki University, Mito. Received Dec. 28, 1961.

Collected along road near Kawauchi Village, Futaba-gun, Fukushima Prefecture.

**277735. RHODODENDRON JAPONICUM (Gray) Schneid.**

Ericaceae.

Japanese azalea.

From Japan. Seeds presented by the Ministry of Agriculture and Forestry, Tokyo. Received Dec. 28, 1961.

Collected on Hakkoda Mountain, Nagano Prefecture.



**277736 to 277740.**

From India. Seeds presented by the Indian Agricultural Institute, New Delhi. Received Dec. 28, 1961.

277736. *DOLICHOS BIFLORUS* L. Fabaceae.  
Co. 1.

**Twinflower dolichos.**

277737 to 277739. *GLYCINE JAVANICA* L. Fabaceae.

277737. E.C. 7058.

277738. E.C. 16641.

277739. E.W. 1988.

277740. *SEHIMA NERVOSUM* (Rottl.) Stapf Poaceae.

PI-320. Male sterile.

**277741. CUCUMIS SATIVUS L. Cucurbitaceae.**

**Cucumber.**

From the Netherlands. Seeds presented by the Bruinsma Hybrid Seed Company, Maaldwijk. Received Dec. 28, 1961.

'Green Spot Super'. Early greenhouse variety requiring less heat than other varieties; good vigor and high productivity; fruits dark green, spiny, of good length with a straight, moderately long neck. Resistant to scab (*Cladosporium cucumerinum*), leaf spot caused by *Corynespora cassicola* and to bitter fruit.

**277742. CITRUS SINENSIS (L.) Osbeck Rutaceae.**

**Orange.**

From Morocco. Seeds presented by the Ministère de l'Agriculture Directeur de la Recherche, Agronomique et de l'Enseignement, Rabat. Received Dec. 29, 1961.

'Salustiana'.

**277743 to 277783.**

From Great Britain. Plants purchased from Hillier & Sons, Winchester, England. Received Dec. 7, 1961. Numbered Dec. 29, 1961.

277743. *ABIES* × *VASCONCELLOSIANA* Franco Pinaceae.

'Amaroce Franco'.

277744. *ACER AMPLUM* Rehder Aceraceae.

277745. *ACER CAMPESTRE* L.

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277746. *ACER CAPPADOCICUM* f. *TRICAUDATUM* (Rehder) Rehder

277747. *ACER CAUDATUM* var. *MULTISERRATUM* (Maxim.) Rehder

277748. *ACER FLABELLATUM* Rehder

277749. *ACER FRANCHETII* Pax

277750. *ACER HENRYI* Pax

277751. *ACER HOOKERI* Miquel

277752. *ACER NEGUNDO* L.

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277753. *ACER NEGUNDO* var. *VIOLACEUM* (Kirchn.) Jager

277754. *ACER OSMASTONII* Gamble

277755 and 277756. *ACER PALMATUM* Thunb.

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277756. 'Senkaki'.

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277759. *ACER WILSONII* Rehder
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277763. *CAMELLIA SASANQUA* Thunb. Sasanqua camellia.  
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*sativa*, 277377, 277378.  
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*durum*. See *T. durum*.  
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<i>piperitum</i> , 273565.	<i>Zizyphus jujuba</i> , 274319, 274599.
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\*If the species of a genus do not have distinct common names they share the same common name as the genus.













# *Plant Inventory No. 170*

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C., March, 1968



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## **PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1962 (NOS. 277784 TO 285530)**

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This inventory, No. 170, lists the plant material (Nos. 277784 to 285530) received by the New Crops Research Branch, Crops Research Division, Agricultural Research Service, during the period from January 1 to December 31, 1962. The inventory is a historical record of plant material introduced for Department and other specialists, and is not to be considered as a list of plant material for distribution.

The species names used are those under which the plant material was received. These have been corrected only for spelling, authorities and obvious synonymy. Questions related to the names published in the inventory and obvious errors should be directed to the author. If misidentification is apparent, please submit an herbarium specimen with flowers and fruit for reidentification.

HOWARD L. HYLAND,  
*Botanist.*

*Plant Industry Station  
Beltsville, Md.*



## INVENTORY

### 277784 to 277786. *VIGNA SINENSIS* (Torner) Savi Fabaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Jan. 3, 1962.

277784. C.P.I. No. 17451. 'Brabham'. Seeds mottled brown.

277785. C.P.I. No. 19900. 'Tape'. Seeds small, brown.

277786. C.P.I. No. 12149. 'Bayo'. Seeds light brown.

### 277787. *CITRUS AURANTIFOLIA* (Christm.) Swingle Rutaceae.

**Lime.**

From India. Seeds presented by the Coordinated Scheme for Citrus Die-Back Disease, Indian Council of Agricultural Research, Gonicoppa, South Coorg, Mysore State. Received Jan. 3, 1962. 'Coorg Lime'.

### 277788 and 277789.

From British Guinea. Seeds presented by the United States Operations Mission, Georgetown. Received Jan. 3, 1962.

277788. *GOSSYPIUM* sp. Malvaceae.

Collected from plants in the wild. Fiber white.

277789. *RICINUS COMMUNIS* L. Euphorbiaceae.

**Castorbean.**

Collected from plants in the wild. Seeds small.

### 277790. *STEVIA REBAUDIANA* Bertoni Asteraceae.

From Paraguay. Seeds presented by Ingeniero Bertoni, Caacupi. Received Jan. 3, 1962.

### 277791 to 277796.

From Poland. Seeds presented by the University of Connecticut, Storrs. From Ogród Botaniczny Uniwersytetu, we Wrocławiu. Received Jan. 3, 1962.

277791. *ALLIUM BEESIANUM* W. W. Smith Liliaceae.

277792. *ALLIUM FISTULOSUM* L.

**Welsh onion.**

277793. *ALLIUM FLAVUM* L.

277794. *ALLIUM SCHOENOPRASUM* L.

**Chives.**

277795. *ALLIUM STENOPETALUM* Boiss. & Kotschy ex Regel

277796. *DAUCUS CAROTA* L. Apiaceae.

**Carrot.**

### 277797. *ENCHYLAENA TOMENTOSA* R. Br. Chenopodiaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Jan. 3, 1962.

### 277798. *CARICA PAPAYA* L. Caricaceae.

**Papaya.**

From Tanganyika. Seeds purchased from the Ministry of Agriculture, Arusha. Received Jan. 3, 1962.

### 277799 to 277801. *CITRUS SINENSIS* (L.) Osbeck Rutaceae.

**Orange.**

From Israel. Seeds presented by the National and University Institute of Agriculture, Beit-Dagan. Received Jan. 3, 1962.

Bud sports of the Shamouti orange.



**277799 to 277801—Continued**

277799. 'Sarah I'. Pink color quite strong in the albedo and section skins, but does not appear in the juice.

277800. 'Sarah II'. Color is most pronounced in cooler winters. Juice is pinkish.

277801. 'Sarah'. Mixed seeds of 'Sarah I' and 'Sarah II'.

**277802. PHASEOLUS COCCINEUS L. Fabaceae.****Scarlet runner bean.**

From Turkey. Seeds held in storage at the United States Regional Introduction Station, Pullman, Wash. Numbered Jan. 3, 1962. A dark, variegated seeded line selected from the predominantly white seeded P.I. 176672.

**277803 and 277804. MENTHA ARVENSIS var. PIPERASCENS Malinv. ex Bailey Menthaceae. Japanese mint.**

From Brazil. Stolons presented by the Instituto de Estado de Sao Paulo, Campinas. Received Nov. 9, 1961. Numbered Jan. 3, 1962.

277803. I.A.C. 701. 'Campinas'. A seedling selection; plant vigorous, highly resistant to rust.

277804. I.A.C. 5250.

**277805 to 277821.**

From Japan. Stolons presented by the Faculty of Agriculture, Laboratory of Industrial Crops, Hokkaido University, Sapporo, Hokkaido. Received Oct. 25, 1961. Numbered Jan. 3, 1962.

277805. MENTHA LONGIFOLIA (L.) Huds. Menthaceae. Horsemint. "D" an unidentified variety.

**277806 to 277821. MENTHA (hybrids).**

277806. 1-3.

277807. 1-4.

277808. 1-6.

277809. 1-7.

277810. 1-10.

277811. 1-11.

277812. 1-33.

277813. 3-2.

277814. 3-4. Backcross progeny resistant to rust in Japan.

277815. 3-12. Backcross progeny resistant to rust in Japan.

277816. 4-9.

277817. 4nF<sub>1</sub>. Amphiploid of the F<sub>1</sub> hybrid of commercial variety 'Hokushin' (Japanese mint) × *Mentha longifolia*.

277818. 5-2. Backcross progeny resistant to rust in Japan.

277819. 5-3.

277820. BC-1. 4nF<sub>1</sub> × Japanese mint.

277821. F<sub>1</sub>. 'Hokushin', a commercial variety of Japanese mint crossed with a variety of *M. longifolia*.

**277822 to 277831. ASPARAGUS OFFICINALIS L. Convallariaceae. Garden asparagus.**

From countries indicated. Seeds presented by the Department of Horticulture, University of Nebraska, Lincoln. Received November 28, 1961. Numbered January 3, 1962.

**277822 to 277831—Continued**

From Stratens Forgstation, Spangsbjerg, Esbjerg, Denmark.

277822. 'Dansk Kaempe'.

277823. 'Spangsbjerg Nr 1'.

277824. 'Spangsbjerg Nr 2'.

From Wageningen, the Netherlands.

277825. 'Glory of Brunswick'. Selection Franken 60008.

277826. No. 60009. Allmale. ML  $\times$  RV.

277827. No. 60012. Allmale. MAB  $\times$  RV.

From England.

277828. 'Connover Colossal'. From Sutton's, Reading.

277829. 'French Argentevil'. From J. L. Clucus, Ltd.

277830. KBF. From Captain Kidner, Hakenheath.

277831. 'Purple Argentevil'. From Elsom's, Hines.

**277832 to 277850.**

From the United States. Selections made at the United States Regional Plant Introduction Station, Geneva, N.Y. Numbered Jan. 3, 1962.

277832. *BROMUS JAPONICUS* Thunb. Poaceae.

Selection from P.I. 229600. From Iran.

277833 and 277834. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.

277833. Selection from P.I. 205192. From Turkey.

277834. Selection from P.I. 251463. From Turkey.

277835 and 277836. *DACTYLIS GLOMERATA* var. *HISPANICA* (Roth) Duby

277835. Selection from P.I. 205192. From Turkey.

277836. Selection from P.I. 251463. From Turkey.

277837 to 277840. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.

277837. Selection from P.I. 208681. From Algeria.

277838. Selection from P.I. 251122. From Yugoslavia.

277839. Selection from P.I. 251584. From Yugoslavia.

277840. Selection from P.I. 255416. From Yugoslavia.

277841 to 277844. *FESTUCA ELATIOR* L. Meadow fescue.

277841. Selection from P.I. 208681. From Algeria.

277842. Selection from P.I. 251122. From Yugoslavia.

277843. Selection from P.I. 251584. From Yugoslavia.

277844. Selection from P.I. 255416. From Yugoslavia.

277845 to 277847. *LOLIUM PERENNE* L. Poaceae. Perennial ryegrass.

277845. Selection from P.I. 206377. From Cyprus.

277846. Selection from P.I. 251142. From Yugoslavia.

277847. Selection from P.I. 251473. From Turkey.

277848 and 277849. *LOLIUM PERSICUM* Boiss. & Hohen.

277848. Selection from P.I. 206377. From Cyprus.

277849. Selection from P.I. 251142. From Yugoslavia.

277850. *LOTUS CORNICULATUS* L. Fabaceae. Birdsfoot trefoil.

Selection from P.I. 161878. From Argentina.

**277851 to 277853. PISUM SATIVUM L. Fabaceae.****Pea.**

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 16, 1962.

Seeds from Dado village, near Jimma.

277851. Col. No. 8089.

277852. Col. No. 8090.

277853. Col. No. 8091.

**277854. MEDICAGO SATIVA L. Fabaceae.****Alfalfa.**

From the United States. Selection made at the United States Regional Plant Introduction Station, Geneva, N.Y. Numbered January 3, 1962.

Selection from P.I. 210763. From Spain.

**277855. ZANTHOXYLUM RHETSA DC. Rutaceae.**

From India. Seeds presented by the Forest Research Institute and Colleges, Dehra Dun. Received April 18, 1962.

**277856 to 277860. MEDICAGO SATIVA L. Fabaceae.****Alfalfa.**

From the United States. Selections made at the United States Regional Plant Introduction Station, Geneva, N.Y. Numbered January 3, 1962.

277856. Selection from P.I. 227851. From Iran.

277857. Selection from P.I. 229534. From Iran.

277858. Selection from P.I. 231042. From India.

277859. Selection from P.I. 231762. From New Hampshire.

277860. Selection from P.I. 234443. From Belgium.

**277861. GOSSYPIUM sp. Malvaceae.**

From the Sudan. Seeds presented by the Cotton Breeding Section, Ministry of Agriculture, Khartoum North. Received April 19, 1962.

**277862 to 277870.**

From the United States. Selections made at the United States Regional Plant Introduction Station, Geneva, N.Y. Numbered January 3, 1962.

277862. POA PRATENSIS L. Poaceae.

**Kentucky bluegrass.**

Selection from P.I. 251407. From Iran.

277863. POA sp.

Selection from P.I. 236925. From Canada.

277864. POA sp.

Selection from P.I. 236925. From Canada.

**277865 and 277866. TRIFOLIUM AMBIGUUM Bieb. Fabaceae. Kura clover.**

277865. Selection from P.I. 229624. From Iran.

277866. Selection from P.I. 234941. From Switzerland.

**277867 and 277868. TRIFOLIUM HYBRIDUM L.****Alsike clover.**

277867. Selection from P.I. 221961. From Afghanistan.

277868. Selection from P.I. 245141. From Switzerland.

**277869 and 277870. TRIFOLIUM PRATENSE L.****Red clover.**

277869. Selection from P.I. 236613. From France.

277870. Selection from P.I. 245141. From France.



**277871 to 277875.**

From Mexico. Plants collected from H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received January 4, 1962.

**277871.** AGAVE BOVICORNUTA Gentry Amaryllidaceae.

Col. No. 19662. Agua Nueva, Sierra Tacuichamona, Sinaloa. Nov. 1961.

**277872.** AGAVE COLIMANA Gentry

Col. No. 19661. Fourteen miles southwest of Colima road Y, Colima. Elevation 1,000 feet. Nov. 23, 1961.

**277873.** AGAVE INTREPIDA Grenm.

Col. No. 19581. Local type, Tepoztlan, Morelos. Dec. 1, 1961. Elevation 6,500 feet. Polycarpic, cliff-dwelling rosettes; spikes to 6 feet high, arching, pendulant, flowers greenish yellow.

**277874.** AGAVE sp.

Col. No. 19625. Canyon del Marques, along Uruapan-Apatzingan road, Michoacan. Dec. 10, 1961. Elevation 1,200 feet. Single, green, multileaved rosette; spike to 10 feet high, slender; petals greenish white; filaments white; anthers pale yellow.

**277875.** AGAVE sp.

Col. No. 19563. Fourteen miles southwest of Colima road Y, Colima. Nov. 23, 1961. Elevation 1,000 feet. Small, few-leaved, weakly rooted, irregular, single rosettes with broad-linear, gray, crinkled leaves.

**277876. WERCKLEA LUTEA Rolfe Malvaceae.**

From Costa Rica. Cuttings presented by the Inter-American Institute, Turrialba. Received Feb. 6, 1961. Numbered Jan. 5, 1962.

**277877 to 277881. HORDEUM VULGARE L. Poaceae.****Common barley.**

From Argentina. Seeds presented by the Instituto de Fitotecnica, Castelar. Received January 5, 1962.

**277877.** No. 1038. MC20. 60-18697.

**277878.** No. 1039. Gatersleben Mut. 501. 60-14292.

**277879.** No. 1040. Gatersleben Mut. 511. 60-14290.

**277880.** No. 1042. Mut. Gaul. 60-11295.

**277881.** No. 1043. Malteria Heda. 60-14278.

**277882 to 277887. MEDICAGO SATIVA var. GAETULA Urban Fabaceae.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Jan. 5, 1962.

**277882.** C.P.I. 19374.

**277885.** C.P.I. 19377.

**277883.** C.P.I. 19375.

**277886.** C.P.I. 19378.

**277884.** C.P.I. 19376.

**277887.** C.P.I. 19379.

**277888 to 277968.**

From the Republic of South Africa. Seeds presented by the Division of Crops and Pastures, Pretoria. Received Jan. 5, 1962.

The following code is used: "D"—collected in the republic of South Africa; "U"—collected outside of the Republic of South Africa. The first 2 digits are the year the seed was collected. The last 3 digits are Rietondale, Pretoria numbers.

**277888 to 277968—Continued**277888 to 277898. *GLYCINE JAVANICA* L. Fabaceae.

- 277888. B/58/116. Port Elizabeth.
- 277889. U/50/186. Mazoe, S. Rhodesia.
- 277890. U55/31. Chroma strain. N. Rhodesia.
- 277891. U/61/139. Tanganyika.
- 277892. U/61/130. Tanganyika.
- 277893. U/61/141. Tanganyika.
- 277894. U/61/145. Nyasaland, S. Rhodesia.
- 277895. U/61/146. Grasslands selection. S. Rhodesia.
- 277896. U/61/147. Melsetter, S. Rhodesia.
- 277897. U/61/148. Norvals special. S. Rhodesia.
- 277898. U/61/149. S. Rhodesia.

277899 to 277968. *PANICUM MAXIMUM* Jacq. Poaceae.**Guineagrass.**

- 277899. B/51/177. Florida.
- 277900. B/52/197. Codrington.
- 277901. B/52/199. Pretoria.
- 277902. B/53/237. Dohne.
- 277903. B/53/240. Dohne.
- 277904. B/53/243. Northam, Transvaal.
- 277905. B/53/246. Lilongwe.
- 277906. B/53/253. Nanyuki.
- 277907. B/53/255. Carolina Elandsfontein.
- 277908. B/53/288. Rietvlei.
- 277909. B/53/289. Pretoria.
- 277910. B/53/335. Nelspruit.
- 277911. B/57/10. Prinshof (Brown top).
- 277912. B/57/160. Roodeplaat.
- 277913. B/57/165. Prinshof.
- 277914. B/57/167. Shingwedzi.
- 277915. B/57/168. Contest.
- 277916. B/57/169. Northam, Transvaal.
- 277917. B/58/13. Rustenburg.
- 277918. B/58/114. Potgietersrust.
- 277919. B/59/29(a). Nelspruit.
- 277920. B/59/108. Basutoland.
- 277921. B/59/162. Ziervogel.
- 277922. B/59/215. Comare Kalahari.
- 277923. B/59/216. Kalahari, Chobe River.
- 277924. B/59/218. Ngamiland.
- 277925. B/59/220. Kazzungula strain.
- 277926. B/59/224. Barberton.
- 277927. B/59/225. Tugela River, Natal.
- 277928. B/59/226. Groot Marico.

**277888 to 277968—Continued****277899 to 277968—Continued**

- 277929. B/59/227. Zululand.
- 277930. B/59/228. Schoemanskloof.
- 277931. B/59/229. Zululand.
- 277932. B/59/230. Potgieters Rust.
- 277933. B/59/231. Rustderwinter.
- 277934. B/59/232. Rustderwinter.
- 277935. B/59/234. Bandolierskop.
- 277936. B/59/236. Haenertsburg.
- 277937. B/59/238. Crocodile River.
- 277938. B/59/241. Zululand.
- 277939. B/59/242. Bushman River, Natal.
- 277940. B/59/244. Nelspruit.
- 277941. B/59/245. Nelspruit.
- 277942. B/59/248. Transvaal.
- 277943. B/59/249. Dongola Reserve.
- 277944. B/59/250. Dongola Reserve.
- 277945. B/59/251. Dongola Reserve, Messina.
- 277946. B/59/252. Louistrichardt.
- 277947. B/59/256. Crocodile Poort.
- 277948. B/59/257. Crocodile Poort.
- 277949. B/59/258. Crocodile Poort.
- 277950. B/59/259. Krugerpark Olifantsriver.
- 277951. B/59/260. Olifantsriver.
- 277952. B/59/261. Swaziland.
- 277953. B/59/266. Umkomaas River.
- 277954. B/59/267. Warmbaths.
- 277955. B/59/268. Rietondale.
- 277956. B/59/278. Swaziland.
- 277957. B/59/279. Mara Natal.
- 277958. U/49/19. Australia.
- 277959. U/51/175. Florida.
- 277960. U/51/178. Florida.
- 277961. U/54/15. S. Rhodesia.
- 277962. U/57/176. Florida.
- 277963. U/59/16. Salisbury.
- 277964. U/59/84. Nyasaland.
- 277965. U/59/86. Nakuru.
- 277966. U/59/87. Lilongwe, E. Africa.
- 277967. U/59/88. Nanyuki Park.
- 277968. U/59/89. Zimbabwe ruins.



**277969. CITRUS sp. Rutaceae.**

From Puerto Rico. Seeds presented by the University of Puerto Rico, Rio Piedras. Received Jan. 8, 1962.

'Chironja'.

**277970 to 278112.**

From Turkey. Seeds collected by the Faculty of Agriculture, University of Ankara, Ankara. Received Jan. 9, 1962.

**277970 to 278062. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. Watermelon.**

277970. No. 1. Adiyaman.	278006. No. 37. Gaziantep.
277971. No. 2. Adiyaman.	278007. No. 38. Gaziantep.
277972. No. 3. Adiyaman.	278008. No. 39. Gaziantep-Kilis.
277973. No. 4. Adiyaman.	278009. No. 40. Gaziantep.
277974. No. 5. Adiyaman.	278010. No. 41. Gaziantep-Islahiye
277975. No. 6. Adiyaman.	278011. No. 42. Gaziantep-Nizip.
277976. No. 7. Adiyaman.	278012. No. 43. Gaziantep-Araban.
277977. No. 8. Afyon.	278013. No. 44. Hatay.
277978. No. 9. Afyon.	278014. No. 45. Hatay.
277979. No. 10. Afyon.	278015. No. 46. Hatay.
277980. No. 11. Amasya.	278016. No. 47. Izmir-Bergama.
277981. No. 12. Ankara-Beypazari.	278017. No. 48. Izmir-Dikili.
277982. No. 13. Antalya.	278018. No. 49. Izmir-Menemen.
277983. No. 14. Antalya.	278019. No. 50. Izmir-Selcuk.
277984. No. 15. Antalya.	278020. No. 51. Izmir-Torbalı.
277985. No. 16. Artvin.	278021. No. 52. Kars-Igdir.
277986. No. 17. Aydin-Germencik.	278022. No. 53. Kars-Igdir.
277987. No. 18. Aydin-Germencik.	278023. No. 54. Kars-Igdir.
277988. No. 19. Aydin-Nazilli.	278024. No. 55. Kayseri.
277989. No. 20. Aydin-Germencik.	278025. No. 56. Kirklareli.
277990. No. 21. Aydin-Germencik.	278026. No. 57. Kirklareli.
277991. No. 22. Balikesir.	278027. No. 58. Kirklareli.
277992. No. 23. Balikesir.	278028. No. 59. Kirklareli.
277993. No. 24. Bilecik.	278029. No. 60. Kirklareli.
277994. No. 25. Bilecik-Yenikoy.	278030. No. 61. Kirsehir.
277995. No. 26. Bilecik-Yenikoy.	278031. No. 62. Kirsehir.
277996. No. 27. Bitlis.	278032. No. 63. Manisa.
277997. No. 28. Bingol.	278033. No. 64. Manisa.
277998. No. 29. Bolu-Duzce.	278034. No. 65. Maras.
277999. No. 30. Bolu-Duzce.	278035. No. 66. Mardin.
278000. No. 31. Burdur.	278036. No. 68. Mardin.
278001. No. 32. Bursa.	278037. No. 69. Mardin.
278002. No. 33. Bursa.	278038. No. 70. Mugla-Milas.
278003. No. 34. Bursa.	278039. No. 71. Mugla-Milas.
278004. No. 35. Bursa.	278040. No. 72. Mugla-Bodrum.
278005. No. 36. Canakkale.	278041. No. 73. Mugla-Ula.

**277970 to 278112—Continued****277970 to 278062—Continued**

- |                                 |                                 |
|---------------------------------|---------------------------------|
| 278042. No. 74. Mugla-Milas.    | 278053. No. 85. Tunceli.        |
| 278043. No. 75. Mugla-Koycegiz. | 278054. No. 86. Tunceli.        |
| 278044. No. 76. Mugla-Marmaris. | 278055. No. 87. Tunceli.        |
| 278045. No. 77. Mus.            | 278056. No. 88. Sivas.          |
| 278046. No. 78. Nigde.          | 278057. No. 89. Urfa.           |
| 278047. No. 79. Sakarya.        | 278058. No. 90. Usak-Karahanli. |
| 278048. No. 80. Sakarya.        | 278059. No. 91. Usak-Karahanli. |
| 278049. No. 81. Sinop.          | 278060. No. 92. Yozgat.         |
| 278050. No. 82. Sivas.          | 278061. No. 93. Yozgat.         |
| 278051. No. 83. Sivas.          | 278062. No. 95. Zoguldak.       |
| 278052. No. 84. Sivas.          |                                 |

**278063 to 278112. LACTUCA SATIVA L. Cichoriaceae. Garden lettuce.**

- |                                       |                                    |
|---------------------------------------|------------------------------------|
| 278063. No. 1. Adiyaman.              | 278088. No. 26. Kars-Igdir.        |
| 278064. No. 2. Adiyaman.              | 278089. No. 27. Kastamonu-Inebolu. |
| 278065. No. 3. Afyon-Sandikli.        | 278090. No. 28. Kayseri.           |
| 278066. No. 4. Amasya.                | 278091. No. 29. Kayseri.           |
| 278067. No. 5. Amasya.                | 278092. No. 30. Kirklareli.        |
| 278068. No. 6. Ankara-Beypazari.      | 278093. No. 31. Maras.             |
| 278069. No. 7. Ankara-Beypazari.      | 278094. No. 32. Mugla.             |
| 278070. No. 8. Antalya.               | 278095. No. 33. Mugla-Milas.       |
| 278071. No. 9. Artvin.                | 278096. No. 34. Mugla-Fethiye.     |
| 278072. No. 10. Aydin.                | 278097. No. 35. Mugla-Marmaris.    |
| 278073. No. 11. Balikesir-Karamankoy. | 278098. No. 36. Mugla-Koycegiz.    |
| 278074. No. 12. Balikesir-Halalca.    | 278099. No. 37. Mugla-Ula.         |
| 278075. No. 13. Bilecik.              | 278100. No. 38. Nigde.             |
| 278076. No. 14. Bilecik-Osmaneli.     | 278101. No. 39. Ordu-Unye.         |
| 278077. No. 15. Burdur.               | 278102. No. 40. Ordu-Unye.         |
| 278078. No. 16. Bursa.                | 278103. No. 41. Ordu.              |
| 278079. No. 17. Bursa.                | 278104. No. 42. Sinop.             |
| 278080. No. 18. Canakkale.            | 278105. No. 43. Sivas.             |
| 278081. No. 19. Gaziantep-Nizip.      | 278106. No. 44. Sivas.             |
| 278082. No. 20. Gaziantep-Kilis.      | 278107. No. 45. Usak-Sivasli.      |
| 278083. No. 21. Hatay.                | 278108. No. 46. Urfa.              |
| 278084. No. 22. Izmir-Bornova.        | 278109. No. 47. Zonguldak-Bartin.  |
| 278085. No. 23. Izmir-Karsiyaka.      | 278110. No. 48. Zonguldak-Bartin.  |
| 278086. No. 24. Izmir-Karsiyaka.      | 278111. No. 67. Mardin.            |
| 278087. No. 25. Kars-Igdir.           | 278112. No. 94. Yozgat.            |

**278113. IMPERATA BRASILIENSIS Trin. Poaceae.**

From British Guiana. Stolons presented by the United States Operations Mission, Georgetown. Received Jan. 9, 1962.

Collected on one of the Bookers sugar estates, about 9 miles east of Georgetown.

**278114 to 278155.**

From India. Seeds presented by the Rockefeller Foundation, Indian Agricultural Program, New Delhi. Received Jan. 10, 1962.

278114 to 278117. From East Africa.

278114. SORGHUM sp. Poaceae.

'Dobbs'. Pedigree NM 763. Indian Sorghum 2511.

278115. SORGHUM sp.

'Dobbs'. Pedigree C-9. Indian Sorghum 2658.

278116. SORGHUM sp.

'Dobbs'. Pedigree Jangi. Indian Sorghum 3502.

278117. SORGHUM sp.

'Dobbs'. Pedigree Darfuri Watani. Indian Sorghum 3590.

278118 to 278121. From South Africa.

278118. SORGHUM sp.

'Radar'. Pedigree resistant to *Striga* sp., and birds. Indian Sorghum 960.

278119. SORGHUM sp.

'Radar'. Pedigree A.S. 3440. Indian Sorghum 1265.

278120. SORGHUM sp.

'Radar'. Pedigree M.N. 912. Indian Sorghum 2596.

278121. SORGHUM sp.

'Radar'. Pedigree P. 3745. Ex-Sebasa. Indian Sorghum 3172.

278122 to 278155. SORGHUM (hybrids).

Breeding lines developed in India.

278122. F<sub>1</sub>. MS × Gund 34 Rabi. MS × IS 1004.

278123. F<sub>1</sub>. MS × Type 263. MS × IS 1019.

278124. F<sub>1</sub>. MS × Jowar B.P. 53. MS × IS 1055.

278125. F<sub>1</sub>. MS. × Jowar B.P. 53. MS × IS 1059.

278126. F<sub>1</sub>. MS × Sundhia 1049. MS × IS 1060.

278127. F<sub>1</sub>. MS × J. I. Ramkhed. MS × IS 1065.

278128. F<sub>1</sub> MS × Indore 3. MS × IS 1066.

278129. F<sub>1</sub>. MS × Hirgana 3. MS × IS 1067.

278130. F<sub>1</sub>. MS × Mamdadpuri. MS × IS 1070.

278131. F<sub>1</sub>. MS × Rati Athani. MS × IS 1073.

278132. F<sub>1</sub>. MS × Sakri Mukri. MS × IS 1078.

278133. F<sub>1</sub>. MS × Manoli. MS × IS 1079.

278134. F<sub>1</sub>. MS × Wai 3-6-2. MS × IS 1081.

278135. F<sub>1</sub>. MS × Yenigar-2. MS × IS 1096.

278136. F<sub>1</sub>. MS × Karad 2-7-11. MS × IS 1121.

278137. F<sub>1</sub>. MS × N.3 Oolapatcha Jonna. MS × IS 1134.

278138. F<sub>1</sub>. MS × N.5 Oolapatcha Jonna. MS × 1136.

278139. F<sub>1</sub>. MS × N.8 Oolapatcha Jonna. MS × IS 1139.

278140. F<sub>1</sub>. MS × N.11 Mungari Patcha Jonna. MS × 1142.

278141. F<sub>1</sub>. MS × Satpani. MS × IS 1152.



**278114 to 278155—Continued****278122 to 278155—Continued**

278142. F<sub>1</sub>. MS × Zerazera. MS × IS 3572. Africa.  
 278143. F<sub>1</sub>. MS × Zerazera. MS × IS 3573. Africa.  
 278144. F<sub>1</sub>. MS × Zerazera. MS × IS 3574. Africa.  
 278145. F<sub>2</sub>. MS × P.J.7R. MS × IS 1041.  
 278146. F<sub>2</sub>. MS × P.J.4R. MS × IS 1042.  
 278147. F<sub>2</sub>. MS × Co. 181. MS × IS 1047.  
 278148. F<sub>2</sub>. MS × G.3 Jonna. MS × IS 1052.  
 278149. F<sub>2</sub>. MS × Jowar Maldani 35-1. MS × IS 1054.  
 278150. F<sub>2</sub>. MS × Viramgam. MS × IS 1108.  
 278151. F<sub>2</sub>. MS × Baligaon. MS × IS 1113.  
 278152. F<sub>2</sub>. MS × Sheosagar. MS × IS 1114.  
 278153. F<sub>2</sub>. MS × Aispuri. MS × IS 1151.  
 278154. F<sub>2</sub>. MS × Selection 213. MS × IS 2256.  
 278155. F<sub>2</sub>. MS × Selection 124-3. MS × IS 2257.

**278156. RHODODENDRON JAPONICUM (Gray) Schneid. Erica-Japanese azalea.**

From Japan. Seeds presented by the Tanichi National Forest, Mikomoto-cho, Towadashi, Aomori Ken. Received Jan. 10, 1962.

Collected in Tanichi National Forest.

**278157 and 278158.**

From Turkey. Seeds presented by the United States Embassy, Ankara. Received Jan. 10, 1962.

**278157. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. Watermelon.**

Collected at Bursa.

**278158. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.**

'Topatan'. Collected at Bursa. Melon long, green; flesh white with yellow cast; high quality, weighing 2 to 5 kilos, maturing in about 70 days.

**278159. HELIANTHUS ANNUS L. Asteraceae. Sunflower.**

From Canada. Seeds presented by the Central Experimental Farm, Ottawa, Ontario. Received Jan. 10, 1962.

'Advance'. Rust-resistant form.

**278160 to 278166.**

From Angola. Seeds presented by the Estacao de Melhoramento de Plantas, Nova Lisboa. Received Jan. 10, 1962.

**278160 and 278161. SESAMUM INDICUM L. Pedaliaceae. Sesame.**

278160. From the Estacao de Melhoramento de Plantas, Nova Lisboa.

278161. From Niangeloke, Haute Volta.

**278162 to 278166. SESAMUM RADIATUM Schumach. & Thonner**

278162. 'Mucote'. From Cela.

278163. 'Ute'. From Seles.

278164. 'Wanguila'. From Maquela de Zombo.

278165. From Branco do Bie.

278166. From Quela.

**278167 to 278169.**

From India. Plants purchased from the Imperial Nursery, Calcutta. Received Jan. 11, 1962.

278167. *LAGERSTROEMIA SPECIOSA* (Muench.) Pers. Lythraceae.  
Queen crape myrtle.

278168. *LAGERSTROEMIA THORELLII* Gagnep.

278169. *LAGERSTROEMIA* sp.

**278170. LIMNANTHES DOUGLASII R. Br. Limnanthaceae.**

**Meadowfoam.**

From Europe. Seeds purchased from Harry Saier, Dimondale, Michigan. Received Jan. 11, 1962.

Collected summer 1961.

**278171. TRIFOLIUM REPENS L. Fabaceae.**

**Whiteclover.**

From Nigeria. Seeds presented by the Federal Department of Agricultural Research, Ibadan. Received Jan. 11, 1962.

**278172. OXYTENANTHERA ABYSSINICA (A. Rich.) Munro Poaceae. Bamboo.**

From the Sudan. Seeds presented by the Food and Agricultural Organization, United Nations, Khartoum. Received Jan. 11, 1962.

Collected approximately 4°2' N., 30°38' E., near Kagelu, Yei District, Equatoria Province.

**278173 to 278175.**

From Turkey. Seeds presented by the University of Nebraska Faculty in Turkey, United States Operations Mission, Ankara. Received Jan. 11, 1962.

278173. *CORNUS MAS* L. Cornaceae. **Cornelian-cherry.**

'Kizilcik'. Small tree in wild, northwest Turkey. Fruits edible, excellent for jelly and jam.

278174. *CRATAEGUS* sp. Malaceae.

'Mus Mula'. Tree in Tortum Lake area, to 25 feet high; leaves 3 inches long, 1.5 inches wide; fruit large, edible.

278175. *PRUNUS MAHALEB* L. Amygdalaceae. **Mahaleb cherry.**

A drought-resistant, small tree from Elazig.

**278176 to 278179.**

From Mexico. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Jan. 15, 1962.

278176. *BUNCHOSIA SONORENSIS* Rose Malpighiaceae.

Col. No. 19440. Sierra de Alamos, Sonora. Elevation 1,000 feet. Small tree or shrub; leaves green; flowers yellow; fruit bright orange. Ornamental.

278177. *IPOMOEA* sp. Convolvulaceae.

Col. No. 19456. Street planting Culiacan, Sináloa. Very large vine; trunk woody; leaves large, cordate; flowers large, bell shaped, pink.

278178. *RANDIA LAEVIGATA* Standley Rubiaceae.

Col. No. 19459. Eighteen miles east of Alamos, Sonora. Tree small, unarmed, spreading; leaves large. Ornamental.

278179. *ZINNIA LINEARIS* Benth. Asteraceae.

Col. No. 19503. Along highway to Guadalajara, 23 miles southeast of Tepic. Annual with white and orange flowers; wild.

**278180. POLYSTACHYA RIVAE Schweing. Orchidaceae. Orchid.**

From Ethiopia. Plants collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Dec. 20, 1961. Numbered Jan. 15, 1962.

Col. No. 7681. Epiphyte on limb of tree near small stream, 8°58' N., 37°32' E. Plant densely tufted, to 3 inches across at base; leaves lax.

**278181 to 278660.**

From New Zealand. Seeds presented by the Crops Research Division, Department of Scientific and Industrial Research, Christchurch. Received Jan. 11, 1962.

**278181 to 278637. TRITICUM AESTIVUM L. Poaceae. Common wheat.**

Originally from Abyssinia (Ethiopia).

278181. 931. 'Abyssinia 1'.

278182 to 278189. Originally from Austria.

278182. 254. From Ortmana.

278183. 2642. 'Brook 4'.

278184. 2643. 'Brook 5'.

278185. 2791. 'Immendorfer Kolben'.

278186. 2792. 'Dr. Lasser's Hellkorn'.

278187. 2793. 'Dr. Lasser's Kickkopf'.

278188. 2795. 'Brucker Stamm 1'.

278189. 2797. 'Tassilo'.

278190 and 278191. Originally from Belgium.

278190. 2690. 'Miana'.

278191. 2768. 'Precoce de Gembloux P. 139'.

278192 to 278204. Originally from Bulgaria.

278192. 113. 'Tscherwenka No. 2'. (ferr.).

278193. 114. 'Tscherwenka No. 14'. (ferr.).

278194. 115. 'Tscherwenka No. 16'. (ferr.).

278195. 116. 'Radsgradska Tscherwenka'.

278196. 188. 'Varna 2'.

278197. 190. 'Varna 5'.

278198. 193. 'Varna 6'.

278199. 195. 'Varna 7'.

278200. 201. 'Varna 16'.

278201. 208. 'Varna 19'.

278202. 209. 'Varna 20'.

278203. 225. 'Varna 28'.

278204. 247. 'Varna 40'.

278205 to 278209. Originally from Canary Islands.

278205. 788. 'Canary 1'. 278208. 798. 5.

278206. 790. 3. 278209. 800. 6.

278207. 794. 4.

278210 to 278212. Originally from Czechoslovakia.

278210. 184. 'Dioseg No. 2'.

278211. 185. 'Dioseg No. 200'.

278212. 1358. 'Feldsberger Irannen'.



**278181 to 278660—Continued****278181 to 278637—Continued**

278213 to 278220. Originally from Egypt.

- |         |                  |         |                       |
|---------|------------------|---------|-----------------------|
| 278213. | 926. 1. (Sinai). | 278217. | 930. 12. (Sinai).     |
| 278214. | 927. 3. (Sinai). | 278218. | 1965. Egyptian wheat. |
| 278215. | 928. 4. (Sinai). | 278219. | 2640. 'Brook 2'.      |
| 278216. | 929. 7. (Sinai). | 278220. | 2641. 'Brook 3'.      |

278221 to 278224. Originally from England.

278221. 1. 'Rivet'.  
 278222. 633. 'Cambridge Rivet'.  
 278223. 634. 'Garton's Early Cone'.  
 278224. 635. 'Percival's Blue Cone'.

278225 to 278231. Originally from France.

278225. 261. 'Thick-headed French'.  
 278226. 1724. 'Ble de la Paix'.  
 278227. 2305. 'Marenil'.  
 278228. 2679. 'Hybride 80'.  
 278229. 2680. 'Capelle Desprez'.  
 278230. 2683. 'Desprez Picardie'.  
 278231. 2684. 'Hybride de la Tour'.

278232 to 278257. Originally from Germany.

278232. 2075. 'Mauerner Begr. Dickopf'. (eryth.).  
 278233. 2077. 'Buhlendorfer Hellkornig'. (alb.).  
 278234. 2078. 'Burckners Dickkopf'. (alb.).  
 278235. 2079. 'Strubes General v. Stocken'. (lutesc.).  
 278236. 2080. 'Criewener 104'. (lutesc.).  
 278237. 2085. 'Cimbals Grossh v. Saksen'. (lutesc.).  
 278238. 2086. 'Hohenheimer Dickkopf'. (lutesc.).  
 278239. 2087. 'Nordost Samland'. (lutesc.).  
 278240. 2089. 'Pflugs Balticum'. (lutesc.).  
 278241. 2091. 'Nordost Oberland'. (lutesc.).  
 278242. 2092. 'Berckners Continental'. (lutesc.).  
 278243. 2093. 'Heusers Weisser Sandw.' (lutesc.).  
 278244. 2094. 'Hornings Dickkopf'. (lutesc.).  
 278245. 2095. 'Raeckes W. Weizen'. (lutesc.).  
 278246. 2096. 'Brauner Luneberger Sand'. (milt.).  
 278247. 2097. 'Ackermanns Trubilo'. (milt.).  
 278248. 2098. 'Strassenheimer Landweizen'. (milt.).  
 278249. 2099. 'Ostmarker'. (milt.).  
 278250. 2100. 'Mauerner Unbegr. Braunw.' (milt.).  
 278251. 2101. 'Nogtlander Braunweigen 4'. (milt.).  
 278252. 2102. 'Criewener St. 27'. (milt.).  
 278253. 2103. 'Heine III'.

**278181 to 278660—Continued****278181 to 278637—Continued****278232 to 278257—Continued**

278254. 2104. 'Holzapfels Darwin'.  
 278255. 2106. 'Pornb. Graf Topping'. (milt.).  
 278256. 2107. 'Hohenfrower'. (milt.).  
 278257. 2109. 'Manhdorfer Sighard'. (milt.).

**278258 to 278302. Originally from Greece.**

- |                              |                                |
|------------------------------|--------------------------------|
| 278258. 33. 'Greece 1'.      | 278281. 330. 'Salonica No. 1'. |
| 278259. 38. 'Greece 5'.      | 278282. 331. 2.                |
| 278260. 39. 'Greece 6'.      | 278283. 334. 5.                |
| 278261. 41. 'Greece 14'.     | 278284. 337. 7.                |
| 278262. 49. 'Greece 20'.     | 278285. 341. 8.                |
| 278263. 51. 'Greece 23'.     | 278286. 343. 9.                |
| 278264. 53. 'Greece 24'.     | 278287. 345. 10.               |
| 278265. 61. 'Salonica 3'.    | 278288. 347. 11.               |
| 278266. 62. 'Salonica 4'.    | 278289. 348. 12.               |
| 278267. 67. 'Salonica 14'.   | 278290. 349. 13.               |
| 278268. 69. 'Salonica 16'.   | 278291. 351. 15.               |
| 278269. 71. 'Crete 1'.       | 278292. 356. 17.               |
| 278270. 77. 'Crete 4'.       | 278293. 357. 'Crete No. 2'.    |
| 278271. 801. 'Crete 5'.      | 278294. 358. 3.                |
| 278272. 291. 'Greece No. 2'. | 278295. 359. 7.                |
| 278273. 293. 3.              | 278296. 363. 9.                |
| 278274. 295. 4.              | 278297. 364. 11.               |
| 278275. 299. 13.             | 278298. 365. 12.               |
| 278276. 302. 16.             | 278299. 366. 13.               |
| 278277. 308. 18.             | 278300. 368. 14.               |
| 278278. 314. 19.             | 278301. 370. 15.               |
| 278279. 320. 22.             | 278302. 692. 'Greek 10'.       |
| 278280. 329. 28.             |                                |

**278303 to 278311. Originally from Holland (Netherlands).**

278303. 2065. 'Mansh. Witte Dilchop III'.  
 278304. 2067. 'Robusta'.  
 278305. 2068. 'Jacob Cats'.  
 278306. 2069. 'Konisringsangel'.  
 278307. 2070. 'Algebra'.  
 278308. 2071. 'Wilobo'.  
 278309. 2072. 'Concurrent'.  
 278310. 2660. 'Lovink'.  
 278311. 2665. 'Mansholte Witte'.

**278312 to 278346. Originally from Hungary.**

278312. 166. 'Szekacs No. 16'. (eryth.).  
 278313. 167. 'Szekacs No. 164'. (eryth.).  
 278314. 168. 'Szekacs No. 139'. (ferr.).  
 278315. 169. 'Szekacs No. 267'. (eryth.).

**278181 to 278660—Continued****278181 to 278637—Continued****278312 to 278346—Continued**

- 278316. 170. 'Hungarian wheat'.
- 278317. 171. 'Hungary 1'.
- 278318. 172. 'Hungary 3'.
- 278319. 174. 'Hungary 6'.
- 278320. 175. 'Mezohegyeser Banati'.
- 278321. 176. 'Fchermegyei' (Landweizen), white.
- 278322. 177. 'Fchermegyei' (Landweizen), brown.
- 278323. 178. 'Improved Tiszavideki', white.
- 278324. 179. 'Improved Tiszavideki', brown.
- 278325. 180. 'Hatvau Selection No. 1153'.
- 278326. 181. 'Hatvau Selection No. 1119'.
- 278327. 182. 'Hatvau Selection No. 1303'.
- 278328. 1280. 'Illocskai No. 177'.
- 278329. 1281. 'Szekacs No. 1242'.
- 278330. 1282. 'Szekacs No. 17'.
- 278331. 1283. 'Szekacs No. 19'.
- 278332. 1284. 'Szekacs No. 1055'.
- 278333. 1285. 'Szekacs No. 1230'.
- 278334. 1286. 'Hatvani No. 1140'.
- 278335. 1287. 'Mindszenti No. 403'.
- 278336. 1288. 'Eszterhazi No. 18'.
- 278337. 1289. 'Iyerie No. 195'.
- 278338. 1290. 'Iyerie No. 658'.
- 278339. 1291. 'Iyerie No. 1004'.
- 278340. 1292. 'Iyerie No. 1012'.
- 278341. 1294. 'Hatvani No. 1212'.
- 278342. 1295. 'Hatvani No. 3490'.
- 278343. 1296. 'Hatvani No. 0670'.
- 278344. 2129. 'Von Baross No. 178'.
- 278345. 2615. 'Hungarian Wheat'.
- 278346. 2658. 'Perbetei'.

**278347 to 278369. Originally from Italy.**

- 278347. 636. 'Biancuccia'.
- 278348. 808. 'Italy 1'.
- 278349. 853. 'Cairdelenze'. (N.S.W.).
- 278350. 855. 'Farro Lunga'.
- 278351. 860. 'Pavone C 11101'. (N.S.W.).
- 278352. 866. 'Bufala Nera Corta'. (Sicily).
- 278353. 867. 'Bufala Nera Lunga'. (Sicily).
- 278354. 868. 'Giustalisa'. (Sicily).
- 278355. 869. 'Scorsonera'. (Sicily).
- 278356. 870. 'Timilia'. (Sicily).



**278181 to 278660—Continued****278181 to 278637—Continued****278347 to 278369—Continued**

- 278357. 871. 'Urria'. (Sicily).
- 278358. 1955. 'Italy 6'.
- 278359. 1990. 'Damiano'.
- 278360. 1991. 'Dante'.
- 278361. 1993. 'Fiume'.
- 278362. 1996. 'Vittorio Veneto'.
- 278363. 2049. 'Italian 13'.
- 278364. 2639. 'Brook 1'.
- 278365. 2777. 'Orlandi'.
- 278366. 2779. 'San Michele'.
- 278367. 2829. 'Civitelle'. (N.S.W.).
- 278368. 2830. 'Corella No. 8'.
- 278369. 2834. 'Pavone C. 11104'.

**278370 to 278375. Originally from Kenya.**

- 278370. 2620. 'Kenya 3', 291 J.I.I.1.
- 278371. 2622. 'Kenya 5', 192.
- 278372. 2624. 'Kenya 7', Simpson's L 3.
- 278373. 2625. 'Kenya 8', NB 230.
- 278374. 2626. 'Kenya 9', Sabanero.
- 278375. 2814. 'Kenya Wheat 131'. (Take-all).

**278376 to 278380. Originally from Malta.**

- 278376. 94. 'Malta 1'.
- 278377. 95. 'Malta 2'.
- 278378. 96. 'Malta 3'.
- 278379. 97. 'Malta 4'.
- 278380. 857. 'Malta Yellow'. (N.S.W.).

**278381. 1407. 'Richelle Tres Hative'. From Mediterranean Africa.****278382 to 278391. Originally from Morocco.**

- 278382. 735. 'Zreah' (Maroc), 020.
- 278383. 737. 'Shei 272'.
- 278384. 858. 'Morocco C 10895'.
- 278385. 859. 'Morocco C 10897'.
- 278386. 904. 'Morocco 58'.
- 278387. 907. 'Morocco 59'.
- 278388. 2327. 'Sel de 151A Bresil 1199'.
- 278389. 2328. 'M 1283'.
- 278390. 2329. 'Versinx Aurore 1285'.
- 278391. 2331. 'Gharflor 1611'.

**278392 and 278393. Originally from Palestine (now Israel and Jordan).**

- 278292. 1408. 'Palestine 1'.
- 278393. 1409. 'Palestine 3'.

**278181 to 278660—Continued****278181 to 278637—Continued**

278394 to 278397. Originally from Poland.

278394. 2110. 'Poland 1 Hors Concours'.

278395. 2111. 'Poland 2'.

278396. 2117. 'Poland 4'.

278397. 2123. 'Poland 5'.

278398 to 278418. Originally from Portugal.

278398. 148. 'Portugal 8'.

278399. 766. 'Portugal 142'. (Ideal Rijo).

278400. 781. 'Portugal 157'. (Yavardo).

278401. 782. 'Portugal 158'. (Yavardo Glauco).

278402. 794. 'Portugal 172'. (Tombinho).

278403. 800. 'Portugal 178'. (Cachudo).

278404. 2450. 'Portugal 118 Barbela'. (Eryth.).

278405. 2451. 'Portugal 119 Barbela Grosso'. (Eryth.).

278406. 2453. 'Portugal 121 Bejense'. (eryth.).

278407. 2458. 'Portugal 126 Trigo de Maio'. (eryth.).

278408. 2464. 'Portugal 132 Sado'. (Eryth.).

278409. 2465. 'Portugal 133 Transmontano'. (Eryth.).

278410. 2471. 'Portugal 139 Gallego Barbado'. (Eryth.).

278411. 2474. 'Portugal 142 Liz'. (eryth.).

278412. 2478. 'Portugal 146 Ruivo' (Precoco). (eryth.).

278413. 2479. 'Portugal 147 Ruivo' (Tardio). (eryth.).

278414. 2490. 'Portugal 150 Viloso Mole' (Host.).

278415. 2491. 'Portugal 159 Toveiro'. (barb.).

278416. 2492. 'Portugal 160 Gentil Branco'. (alb.).

278417. 2494. 'Portugal 162 Argelino Mocho Branco'. (alb.).

278418. 2497. 'Portugal 165 Estacao'. (lutesc.).

278419 to 278439. Originally from Rumania.

278419. 117. 'Roumanian No. 1'. (eryth.).

278420. 118. 'Roumanian Autumn No. 10 b'. (alb.).

278421. 123. 'Roumanian Autumn'. (ferr.).

278422. 124. 'Sandu 22'.

278423. 125. 'Filipescu'.

278424. 126. 'Balan de Figanesti'.

278425. 127. 'Samanta 117'.

278426. 130. 'Rovini'.

278427. 131. 'Securenii'.

278428. 165. 'Roumanian Bearded'.

278429. 1298. 'Balan de Figanesti 148'.

278430. 1299. B2.

278431. 1300. B1.

278432. 1302. 'Lukasievici'.

**278181 to 278660—Continued****278181 to 278637—Continued****278419 to 278439—Continued**

- 278433. 1303. 'Laza 4'.
- 278434. 1304. 'Laza 8'.
- 278435. 1305. 'Laza 19'.
- 278436. 1306. 'Samata B.7'.
- 278437. 1307. 'Stephani-Bod D33'.
- 278438. 1308. 'Stephani-Bod D43'.
- 278439. 1309. 'Odvos 37'.

**278440 to 278493. Originally from Russia (Union of Soviet Socialist Republics).**

- 278440. 9. 'Russia 1, No. 010'.
- 278441. 10. 'Russia 2'.
- 278442. 11. 'Russia 3, No. 79-III'.
- 278443. 12. 'Russia 4, No. 0189'.
- 278444. 13. 'Russia 5, Tschernovska'.
- 278445. 14. 'Russia 6, Sivousska 3'.
- 278446. 16. 'Kubanka'.
- 278447. 132. 'Banatka Jubile-inaja'. (eryth.).
- 278448. 133. 'No. 13/917 Charkow'.
- 278449. 134. No. 15. From Beresotofscha (eryth.).
- 278450. 135. No. 2537/64. From Ivanovka (eryth.).
- 278451. 136. 'Blaue Dame'. From Ivanovka (eryth.).
- 278452. 137. No. 100. From Belaia-Zerkov (ferr.).
- 278453. 138. No. 7. From Beresotofscha (Host.).
- 278454. 140. 'Hors Concours'. From Mironowka.
- 278455. 141. 'Hors Concours'. From Ivanovka.
- 278456. 142. 'Russia 8, Belosiornaia' (alb.).
- 278457. 143. 'Russia 9, Belosiornaia' (alb.).
- 278458. 144. 'Russia 10, Dymchatka' (caes.).
- 278459. 145. 'Russia 11, Zemka' (eryth.).
- 278460. 146. 'Russia 12, Stepniatchka' (eryth.).
- 278461. 149. 'Russia 15, No. 2411' (ferr.).
- 278462. 150. 'Russia 16, No. 2433'.
- 278463. 151. 'Russia 18, Krasnaia Ostistaia' (ferr.).
- 278464. 152. 'Russia 19, T. 9283 AIV' (graec.).
- 278465. 153. 'Russia 20, T. 0289 AV' (graec.).
- 278466. 154. 'Russia 21, No. 0237, Saratov' (Host.).
- 278467. 155. 'Russia 22, No. 0237, Saratov' (Host.).
- 278468. 156. 'Russia 23, No. 0460, Timir' (lutesc.).
- 278469. 157. 'Russia 24, No. 0329, Saratov' (lutesc.).
- 278470. 158. 'Russia 25, Ghirka Krasnaia' (milt.).
- 278471. 159. 'Russia 26, No. 0254, West Sib.' (milt.).
- 278472. 161. 'Russia 28, Belosiornaia' (alb.).



**278181 to 278660—Continued****278181 to 278637—Continued****278440 to 278493—Continued**

278473. 162. 'Russia 29, Alfa Stoykaia' (eryth.).  
 278474. 164. 'Russia 31, Noe' (lutesc.).  
 278475. 187. S. 149.  
 278476. 1361. S. 141.  
 278477. 2337. 'Ferrugineum 6027'.  
 278478. 2338. 'Erythrospermum 6028'.  
 278479. 2340. 'Ferrugineum 6031'.  
 278480. 2341. 'Erythrospermum 6032'.  
 278481. 2342. 'Ferrugineum 6033'.  
 278482. 2343. 'Graecum 6034'.  
 278483. 2344. 'Graecum 6035'.  
 278484. 2345. 'Graecum 6036'.  
 278485. 2435. 'Erythrolucox 29678'. Tajik Republic.  
 278486. 2437. 'Erythrospermum 29666'.  
 278487. 2438. 'Erythrospermum Rigidum/29797'.  
 278488. 2439. 'Ferrugineum 296675'.  
 278489. 2440. 'Graecum 29686'.  
 278490. 2441. 'Graecum 29679'. Tajik Republic.  
 278491. 2447. 'Erythrospermum 24674'. Uzbek.  
 278492. 2448. 'Erythrospermum 25034'. Uzbek.  
 278493. 2449. 'Erythrospermum 7264'. Uzbek.

**278494 and 278495. Originally from South Africa.**

278494. 1956. 'Rooi Kleinkoren'.  
 278495. 1957. 'Birdproof'.

**278496 to 278512. Originally from Spain.**

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|--------------------------------|-----------------------------|
| 278496. 99. 'Ex. Sevilla 18'.  | 278505. 126. 'Castellon 2'. |
| 278497. 102. 'Ex. Sevilla 20'. | 278506. 128. 'Valencia 2'.  |
| 278498. 106. 'Ex. Sevilla 25'. | 278507. 129. 'Valencia 3'.  |
| 278499. 109. 'Ex. Sevilla 26'. | 278508. 131. 'Valencia 4'.  |
| 278500. 111. 'Ex. Sevilla 27'. | 278509. 133. 'Valencia 6'.  |
| 278501. 122. 'Navarra 74'.     | 278510. 134. 'Valencia 10'. |
| 278502. 123. 'Barcelona 5'.    | 278511. 861. 'Solina'.      |
| 278503. 124. 'Barcelona 6'.    | 278512. 864. 'Valencia'.    |
| 278504. 125. 'Castellon 1'.    |                             |

**278513 to 278530. Originally from Sweden.**

278513. 262. 'Diamond'.  
 278514. 267. 'Svalof's Riddar'.  
 278515. 268. 'Trifolium 14'.  
 278516. 270. 'Sun Wheat II'.  
 278517. 271. 'Panzer'.  
 278518. 272. 'Sonnenweizen'.  
 278519. 273. 'Grenadier II'.

**278181 to 278660—Continued****278181 to 278637—Continued****278513 to 278530—Continued**

278520. 274. 'Bore Wheat'.  
 278521. 277. 'Pudel Wheat'.  
 278522. 1346. 'Iron'.  
 278523. 1654. 'Svalof's Stahlweizen'.  
 278524. 1655. 'Svalof's Sveaweizen II'.  
 278525. 1656. 'Svalof's Thuleweizen II'.  
 278526. 1657. 'Svalof's Kronenweizen'.  
 278527. 1658. 'Svalof's Sonnenweizen III'.  
 278528. 1660. 'Weibull's Jarl'.  
 278529. 1661. 'Landweizen'.  
 278530. 2808. 'Weibull's Ertus'.

**278531 to 278553. Originally from Syria.**

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|-----------------------------|------------------------------|
| 278531. 932. 'Beyrouth 11'. | 278543. 956. 26.             |
| 278532. 933. 'Beyrouth 1'.  | 278544. 957. 27.             |
| 278533. 936. 'Beyrouth 3'.  | 278545. 958. 28.             |
| 278534. 941. 'Damaskus 6'.  | 278546. 960. 30.             |
| 278535. 943. 'Damaskus 7'.  | 278547. 965. 32.             |
| 278536. 944. 'Damaskus 8'.  | 278548. 967. 33.             |
| 278537. 945. 'Damaskus 12'. | 278549. 1009. 'Cyprus 1'.    |
| 278538. 947. 'Aleppo 1'.    | 278550. 1010. 2.             |
| 278539. 949. 10.            | 278551. 1015. 9.             |
| 278540. 950. 21.            | 278552. 1016. 15.            |
| 278541. 951. 23.            | 278553. 2798. 'Tripolitico'. |
| 278542. 953. 25.            |                              |

**278554 to 278561. Originally from Tunis (Tunisia).**

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|-------------------------|--------------------------|
| 278554. 910. 'Tunis 1'. | 278558. 917. 'Tunis 10'. |
| 278555. 912. 'Tunis 2'. | 278559. 919. 'Tunis 11'. |
| 278556. 914. 'Tunis 3'. | 278560. 923. 'Tunis 23'. |
| 278557. 915. 'Tunis 9'. | 278561. 924. 'Tunis 24'. |

**278562 to 278595. Originally from the United Kingdom.**

278562. 279. 'Victor'.  
 278563. 280. 'Stand-up White'.  
 278564. 282. 'Red Standard'.  
 278565. 283. 'Webb's New Standard'.  
 278566. 284. 'Joss'.  
 278567. 285. 'Master's Squarehead II'.  
 278568. 286. 'Master's New Line of Yeoman'.  
 278569. 287. 'Master's New White "Ideal"'.  
 278570. 1310. 'April Bearded'.  
 278571. 1312. 'Bearded Red'.  
 278572. 1314. 'Benefactress'.  
 278573. 1315. 'Browick'.  
 278574. 1317. 'Carter's Million III'.

## 278181 to 278660—Continued

## 278181 to 278637—Continued

## 278562 to 278595—Continued

278575. 1318. 'Colossus'.  
 278576. 1319. 'Coxton Champion'.  
 278577. 1321. 'Ipswich Masterpiece'.  
 278578. 1322. 'Marshall Foch'.  
 278579. 1323. 'Master's A-1'.  
 278580. 1325. 'Pantser'.  
 278581. 1326. 'Premier'.  
 278582. 1327. 'Reactor'.  
 278583. 1331. 'Setter'.  
 278584. 1332. 'Squarehead' (P.B.I.).  
 278585. 1334. 'Master's Squarehead Master II'.  
 278586. 1336. 'The Hawk'.  
 278587. 1337. 'Trifolium XIV'.  
 278588. 1340. 'Webb's White Wonder'.  
 278589. 1341. 'White Victoria'.  
 278590. 1342. 'Winter Bearded'.  
 278591. 1343. 'White Queen'.  
 278592. 1345. 'Yeoman's Master'.  
 278593. 1653. 'Webb's New Harvester'.  
 278594. 2346. W.70E.  
 278595. 2405. 'Little Tich'.

## 278596 to 278637. Originally from Yugoslavia.

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|----------------------------|---------------------------------------|
| 278596. 25. 'Dalmatia 4'.  | 278617. 46. 'Crotia 3'.               |
| 278597. 26. 'Dalmatia 5'.  | 278618. 49. 'Crotia 4'.               |
| 278598. 28. 'Belgrade 6'.  | 278619. 53. 'Crotia 5'.               |
| 278599. 29. 'Belgrade 9'.  | 278620. 55. 'Crotia 5'.               |
| 278600. 31. 'Belgrade 9'.  | 278621. 56. 'Crotia 6'.               |
| 278601. 1. 'Serajevo 1'.   | 278622. 60. 'Crotia 7'.               |
| 278602. 4. 'Serajevo 2'.   | 278623. 69. 'Crotia 11'.              |
| 278603. 6. 'Serajevo 3'.   | 278624. 72. 'Crotia 12'.              |
| 278604. 9. 'Serajevo 4'.   | 278625. 75. 'Crotia 15'.              |
| 278605. 11. 'Serajevo 5'.  | 278626. 79. 'Crotia 18'.              |
| 278606. 17. 'Serajevo 9'.  | 278627. 88. 'Belgrade No. 1'.         |
| 278607. 24. 'Serajevo 13'. | 278628. 92. 3.                        |
| 278608. 25. 'Serajevo 14'. | 278629. 94. 4.                        |
| 278609. 27. 'Serajevo 15'. | 278630. 98. 7.                        |
| 278610. 28. 'Serajevo 16'. | 278631. 106. 'Macedonian 2' (graec.). |
| 278611. 34. 'Serajevo 17'. | 278632. 108. 7 (graec.).              |
| 278612. 36. 'Serajevo 18'. | 278633. 109. 11 (eryth.).             |
| 278613. 37. 'Dalmatia 2'.  | 278634. 110. 12 (ferr.).              |
| 278614. 39. 'Dalmatia 3'.  | 278635. 111. 14 (eryth.).             |
| 278615. 44. 'Crotia 1'.    | 278636. 112. 'Banatka'.               |
| 278616. 45. 'Crotia 2'.    | 278637. 1364. S. 76.                  |



## 278181 to 278660—Continued

- 278638 to 278641. *TRITICUM COMPACTUM* Host Club wheat.  
 278638. 2446. 'Fehorri 25031 Kazak'. From Russia (Union of Soviet Socialist Republics).  
 278639 to 278641. From the United Kingdom.  
 278639. 2704. 'American Club'.  
 278640. 2767. E.C.H. 524.  
 278641. 2768. E.C.H. 1096.  
 278642 to 278645. *TRITICUM DICOCCUM* Schrank Emmer.  
 278642. 3. 'Emmer 1'. From Germany.  
 278643. 740. No. 14322. From Russia (Union of Soviet Socialist Republics).  
 278644 and 278645. From England.  
 278644. 822. E.C.H. 969.  
 278645. 835. E.C.H. 960.  
 278646. *TRITICUM DURUM* Desf. Durum wheat.  
 739. No. 6030. From Russia (Union of Soviet Socialist Republics).  
 278647. *TRITICUM POLONICUM* L. Polish wheat.  
 818. From England.  
 278648. *TRITICUM PYRAMIDALE* Percival  
 820. From England.  
 278649. *TRITICUM SPELTA* L. Spelt.  
 2697. 'Eplautre d'Hiver 2'. From Belgium.  
 278650. *TRITICUM SPHAEROCOCCUM* Percival  
 2769. 971. From the United Kingdom.  
 278651. *TRITICUM TURGIDUM* L. Poulard wheat.  
 825. E.C.H. 605. From England.  
 278652. *TRITICUM VAVILOVII* (Tuman.) Jakub. ex Zhuk.  
 2706. From the United Kingdom.  
 278653 to 278659. *TRITICUM* (hybrids).  
 278653. 738. 'Zreak' × 'Amekkaoui 1658'. From Morocco.  
 278654. 1999. 'Sarrosa' (*T. durum* × *T. aestivum*). From Russia (Union of Soviet Socialist Republics).  
 278655. 2000. 'Sarrubra'. (*T. durum* × *T. aestivum*). From Russia (Union of Soviet Socialist Republics).  
 278656. 2325. 'Florence' × 'Aurore 588'. From Morocco.  
 278657. 2326. 'Tuzelle Sud Tunisienne' × 'Florence 1179'. From Morocco.  
 278658. 2330. ('Allies' × 'Federation') × 'Tuzelle 1572'. From Morocco.  
 278659. 2621. 'Kenya' ('DC.' × 'Ceres 721D'). From Kenya.  
 278660. *TRITICUM* sp.  
 2708. From the United Kingdom.  
 278661. *AUCUBA JAPONICA* var. *BOREALIS* Miyabe & Kudo Cornaceae.  
 From Japan. Seeds presented by Tamatsu Eguchi, Matsumae Rimmusho, Minoru Tsurumachi, Hokkaido. Received Jan 15, 1962.  
 Collected December 1961 on Hokkaido. Elevation 600 feet.

**278662. GOSSYPIMUM HIRSUTUM L. Malvaceae. Upland cotton.**

From the Republic of Ivory Coast. Seeds presented by the Cotton Research Station, Bouake. Received Jan. 15, 1962.

Selfed seeds of a monosomic plant found in 'Allen 333' at Bouake, 1960.

**278663. CAMELLIA HONGKONGENSIS Seem. Theaceae.**

From Hong Kong. Seeds presented by the Urban Services Department, Victoria. Received Jan. 15, 1962.

**278664 to 278695. PHASEOLUS VULGARIS L. Fabaceae.****Common bean.**

From the United States. Seeds held in storage at the United States Regional Plant Introduction Station, Geneva, N.Y. Numbered Jan. 15, 1962.

**278664.** No. G 11341. Bush to 12 inches high; flowers white; pods 4.5 by 0.5 inch, flat, light green, clusters above and below foliage, midseason to late maturing; seeds medium size, plump, oval, tan with red stripes.

**278665.** No. G 11342. Pole bean to 9 feet high; flowers whitish purple; pods 4 by 0.37 inch, flat, dark green to purple, clusters above and below foliage, ripening early midseason; seeds small, black, plump, rectangular.

**278666.** No. G 11343. Pole bean to 9 feet high; flowers whitish purple; pods 4 by 0.37 inch, flat, dark green to purple, clusters above and below foliage, seeds medium size, long, plump, oval, red.

**278667.** No. G 11344. Pole bean to 9 feet high; flowers whitish purple; pods 4 by 0.37 inch, flat, dark green to purple, clusters above and below foliage; seeds medium size, flat, rectangular, tan.

**278668.** No. G 11345. Bush to 10 inches high; flowers pink; pods 4.5 by 0.5 inch, flat, light green, maturing midseason to late; seeds large, oblong, buff, many aborted; hilum sunken, brown. Tolerance to root rot, 2.4 on scale of 0 to 9.

**278669.** No. G 11346. Bush to 12 inches high; flowers purple; pods 6 by 0.37 inch, light green, early maturing; seeds large, black, kidney shaped.

**278670.** No. G 11347. Bush to 10 inches high; flowers purple; pods 5.5 by 0.5 inch, midseason; seeds large, oblong, plump, black, glossy. Susceptible to virus disease and halo blight.

**278671.** No. G 11348. Bush to 13 inches high; late maturing; seeds small, flat, rectangular, tan. Tolerance to root rot, rating 2.0 on scale 0 to 9.

**278672.** No. G 11349. Bush to 9 inches high; pods 5 by 0.5 inch, dark green, maturing from very early to late midseason; seeds long, oval, blue to purple, speckled.

**278673.** No. G 11350. Bush to 9 inches high; pods 5 by 0.5 inch, dark green; maturing from very early to late midseason; seeds elongate, kidney shaped, dusky tan.

**278674.** No. G 11351. Bush to 9 inches high; pods 5 by 0.5 inch, dark green, maturing from very early to late midseason; seeds flat, oval, tan, striped.

**278675.** No. G 11352. Bush to 11 inches high; flowers pink; pods 4.5 by 0.5 inch, flat, light green, maturing late; seeds large, oblong, buff, many aborted; hilum sunken, brown. Susceptible to virus disease and halo blight; root rot tolerance 3.2 on scale 0 to 9.

**278676.** No. G 11353. Bush to 14 inches high; flowers pink; pods 4.5 by 0.5 inches, light green, maturing midseason to late; seeds large, elongate, plump, purple. Susceptible to virus disease but free from halo blight; root rot tolerance 2.5 on scale 0 to 9.

**278677.** No. G 11354. Bush to 15 inches high; flowers pink; very late maturing; seeds oval, elongate, tan to light green; resistant to virus diseases and halo blight; root rot susceptibility 3.8 on scale 0 to 9.

**278664 to 278695—Continued**

- 278678.** No. G 11355. Bush to 12 inches high; flowers pink; very late maturing; seeds large, plump, kidney shape, maroon. Susceptible to virus diseases; root rot susceptibility 3.0 on scale 0 to 9.
- 278679.** No. G 11356. Bush to 11 inches high; flowers pinkish white; pods 4.5 by 0.5 inch, flat, dark green to red, maturing midseason; seeds medium size, plump, oval, tan, striped and brown speckled. Free from virus disease and halo blight.
- 278680.** No. G 11357. Bush to 12 inches high; flowers pink; pods 6 by 0.5 inch, flat, light green, maturing midseason; seeds medium size, elongate, tan to greenish tan. Susceptible to halo blight; tolerance to root rot 2.7 on scale 0 to 9.
- 278681.** No. G 11358. Pole bean to 12 feet high; flowers white; pods 3.5 by 0.37 inch, flat, light green, maturing midseason; seeds small, plump, rectangular, white; seed coat wrinkled; susceptible to halo blight and root rot.
- 278682.** No. G 11359. Pole bean to 12 feet high; flowers white; pods 4 by 0.5 inch, flat, light green, maturing early midseason; seeds white, narrow; seed coat wrinkled. Free from virus disease and halo blight.
- 278683.** No. G 11360. Bush to 10 inches high; flowers white to purple; pods 4 by 0.37 inch, flat, light green, maturing midseason; seeds elongate, medium size, kidney shape, two-tone brown and white. Free from virus diseases; susceptible to halo blight; root rot tolerance 2.3 on scale 0 to 9.
- 278684.** No. G 11361. Bush to 10 inches high; flowers white to purple; pods 4 by 0.37 inch, flat, light green, maturing midseason; seeds medium size, flat, rectangular, grayish fawn to blue. Free from virus disease; susceptible to halo blight; root rot tolerance 2.3 on scale 0 to 9.
- 278685.** No. G 11362. Bush to 10 inches high; pods 5.5 by 0.37 inch, flat, yellow, maturing early; seeds medium size, long oval, plump, greenish tan, glossy, many aborted. Susceptible to halo blight.
- 278686.** No. G 11363. Pole bean to 12 feet high; flowers white; seeds small, plump, oval, white, maturing very late. Free from virus disease and halo blight; tolerance to root rot 1.9 on scale 0 to 9.
- 278687.** No. G 11364. Pole bean to 12 feet high; flowers white; seeds medium size, flat, rectangular, light tan, maturing very late. Free from virus disease and halo blight; tolerance to root rot 1.9 on scale 0 to 9.
- 278688.** No. G 11365. Pole bean to 15 feet high; flowers white to purple; pods 3.5 by 0.37 inch, flat, light green, maturing midseason; seeds medium size, plump, oval, dark purple, many aborted. Susceptible to halo blight; tolerance to root rot 3.4 on scale 0 to 9.
- 278689.** No. G 11366. Pole bean to 12 feet high; flowers white; pods 4.5 by 0.5 inch, flat, light green; maturing midseason; seeds plump, oval, two-tone purple and white. Susceptible to halo blight; tolerance to root rot 3.1 on scale 0 to 9.
- 278690.** No. G 11367. Pole bean to 15 feet high; flowers white to purple; pods 4.5 by 0.5 inch, flat, light green, maturing midseason; seeds medium size, flat, oval, dusky olive tan. Susceptible to halo blight; tolerance to root rot 3.1 on scale 0 to 9.
- 278691.** No. G 11368. Pole bean to 12 feet high; flowers white; pods 4.5 by 0.37 inch, flat, light green, maturing early; seeds medium size, flat, rectangular, white; seed coat wrinkled. Susceptible to halo blight; tolerance to root rot 3.5 on scale 0 to 9.
- 278692.** No. G 11369. Pole bean to 13 feet high; flowers pink; pods 5 by 0.5 inch, flat, light green to red, early maturing; seeds medium size, plump, oval, tan, striped purple, many aborted. Susceptible to halo blight; tolerance to root rot 2.7 on scale 0 to 9.



**278664 to 278695—Continued**

**278693.** No. G 11377. Bush to 7 inches high; flowers white; pods 4 by 0.5 inch, flat, light green, maturing midseason; seeds medium size, long, oval, plump, tan, glossy; hilum brown. Susceptible to halo blight; tolerance to root rot 2.7 on scale 0 to 9.

**278694.** No. G 11378. Bush to 12 inches high; flowers purple; pods 6 by 0.37 inch, light green, maturing early; seeds medium size, elongate, ends rounded, almost cylindrical, dusky greenish brown. Free from halo blight; tolerance to root rot 3.1 on scale 0 to 9.

**278695.** No. G 11379. Bush to 10 inches high; flowers pink; pods 4.5 by 0.5 inch, flat, light green, maturing late; seeds large, elongate, plump, rounded ends, light tan; hilum brown.

**278696 to 278726.**

From sources as indicated. Seeds held in storage at the Regional Plant Introduction Station, Ames, Iowa. Numbered Jan. 16, 1962.

**278696.** AGROSTIS ALBA L. Poaceae.

**Redtop.**

A component of P.I. 221908, *Poa pratensis*, from Afghanistan. Plant rhizomatous, moderate spreader.

**278697.** BROMUS CARINATUS Hook. & Arn. Poaceae.

**California brome grass.**

SCS PMC-5857. Seeds presented by De Kalb Agriculture association, De Kalb, Illinois.

**278698.** CORONILLA VARIA L. Fabaceae.

**Crownvetch.**

M2-10215. 'Emerald'. Seeds presented by SCS Nursery, Ames, Iowa. Iowa SCS nursery strain. Plant vigorous, hardy, spreading.

**278699 to 278705.** Seeds presented by the Dominion Arboretum and Botanic Garden, Ottawa, Canada.

**278699.** DACTYLIS GLOMERATA L. Poaceae.

**Orchardgrass.**

'Oron'. Plant leafy, late, vigorous, selected for disease resistance and hardiness.

**278700 and 278701.** FESTUCA ELATIOR L. Poaceae.

**Meadow fescue.**

**278700.** 'Mefan'. C.A.N. 5169. Plants long lived, vigorous, hardy, uniform. Selected for disease resistance and hardiness.

**278701.** 'Ensign'. C.A.N. 5168. Plants of upright habit, uniform, leafy bottom, productive; resistant to leaf rust and leaf spot.

**278702 and 278703.** FESTUCA RUBRA L.

**Red fescue.**

**278702.** 'Duraturf'. C.A.N. 5178. Plants of upright habit, uniform, leafy base, hardy, drought resistant.

**278703.** 'Refon'. C.A.N. 5179. Plants hardy, vigorous, leafy; selected for hardiness and resistance to drought and disease.

**278704.** LOLIUM PERENNE L. Poaceae.

**Perennial ryegrass.**

'Norlea'. Plants hardy but susceptible to disease.

**278705.** MEDICAGO SATIVA L. Fabaceae.

**Alfalfa.**

'Ferax'. C.A.N. 5155. Very high seed producer under northern Alberta conditions. Plants perform reasonably well at Ames.

**278706.** PHALARIS ARUNDINACEA L. Poaceae.

**Reed canarygrass.**

Seeds collected in northern Lake Huron district, Ontario, Canada. Plant performance generally good but made little fall recovery.

**278696 to 278726—Continued**

**278707.** *SPOROBOLUS PYRAMIDALIS* Beauv. Poaceae.

A component of P.I. 258456, *Agrostis* sp., from St. Helena, South Atlantic Ocean.

**278708 to 278726.** *ZEA MAYS* L. Poaceae.

**Corn.**

**278708 to 278721.** Seeds presented by E. J. Dollinger, Wooster, Ohio.

**278708.** 'Blue Clarage'. Aleurone blue. Adapted to central Ohio.

**278709.** 'Browns 90 Day'. Open-pollinated, from the J. B. Sayre collection.

**278710.** 'Cash'. Medium maturity variety adapted to central and western Ohio.

**278711.** 'Cash White'. Also known as 'Sandy Lewis White'. Adapted to the Scioto Valley.

**278712.** 'Cooks Early Yellow Dent'. Early variety adapted to northeastern Ohio.

**278713.** 'Eichelburger Clarage'. Open-pollinated, from the J. B. Sayre collection.

**278714.** 'Fosters White'. Also known as 'Scioto White'. A late white variety adapted to the Scioto Valley.

**278715.** 'Kantz Flint'. Open-pollinated, from the J. B. Sayre collection.

**278716.** 'Late Clarage'. Adapted to central and southwestern Ohio.

**278717.** 'Leaming'. Open-pollinated, from the J. B. Sayre collection.

**278718.** 'Medina Pride'. An early variety adapted to northeastern Ohio.

**278719.** 'Reids Yellow Dent'. Late-maturing variety.

**278720.** 'Woodburn'. A midseason variety.

**278721.** 'Wooster Clarage'. Early variety of 'Clarage' adapted to northern Ohio.

**278722 to 278724.** From Iowa. Seeds presented by L. H. Penny.

**278722.** 'Alph'. Long ear dent, primarily yellow.

**278723.** 'Iowa Ideal'. White dent.

**278724.** 'Johnson County White'. White dent.

**278725 and 278726.** From Missouri. Seeds presented by Dr. M. S. Zuber.

**278725.** 'Patterson's Small Cob'.

**278726.** 'Smiley Silage'.

**278727 to 278732.** *PYRUS COMMUNIS* L. Malaceae.

From India. Budsticks presented by the Agricultural College and Research Institute, Coimbatore. Received Jan. 16, 1962.

From subtropical region with low-chilling requirement.

**278727.** Tree 1. La Providence.

**278728.** Tree 2. La Providence.

**278729.** Tree 1. Samy's Estate.

**278730.** Tree 2. Samy's Estate.

**278731.** Tree 1. Sivaganga Estate.

**278732.** Tree 2. Sivaganga Estate.

**278733 to 278739.**

From the United States. Plants and cuttings collected in the wild and established at the Agricultural Experiment Station, Jonesboro, Maine, Numbered Jan. 16, 1962.

Key to numerical ratings of blueberry fruit characters:

<i>Character</i>	<i>Rating</i>	<i>Explanation</i>	<i>Range of commercial acceptability</i>
Color	1-10	1—shiny black	5-10
		10—lightest blue	
Crop	0-10	0—no crop	
		10—full crop	
Firmness	1-10	1—softest	5-10
		10—firmest	
Flavor	1-10	1—flavor lacking	5-10
		10—highest flavor	
Scar	1-10	1—largest, wettest	6-10
		10—smallest, driest	
Season	1-10	1—latest ripening	
		10—earliest ripening	

**278733. VACCINIUM ANGUSTIFOLIUM var. LAEVIFOLIUM** House Vacciniaceae.

Collected July 1960, roadside, Barrens-Schoodic Lake road, five miles from State Route 193. Plant vigorous spreading; stems to eight feet long; fruit borne in short, loose terminal clusters; berries large, color 8-9, firmness 6, flavor 5, scar 9.

**278734 to 278738. VACCINIUM CORYMBOSUM L. Highbush blueberry.**

**278734.** No. 2. Cuttings collected July 1960, roadside meadow, State Route 3, two miles east of Mount Frye. Plant of medium vigor, 6 feet high; crop 2, sparse in top; berries: color 6, flavor 6.

**278735.** No. 3. Cuttings taken August 1960 from abandoned Agricultural Experiment Station planting of the 1930's at North Sedgwick. Plant vigorous, upright, some top killing; berries small; crop 7, season 7, color 4, firmness 6, flavor 7, scar 7.

**278736.** No. 4. Cuttings taken August 1960 from abandoned Agricultural Experiment Station planting of the 1930's at North Sedgwick. Plant vigorous, spreading; berries small; crop 6, season 6, color 5, firmness 7, flavor 7, scar 10.

**278737.** No. 6. Cuttings taken June 1961, right side of trail, crest of juniper ledge, Yoder farm, Montville. Plant 6 feet high, spreading; fruit borne in loose, full clusters; early; slight tip killing; blossom and twig blight evident but no witches broom.

**278738.** No. 7. Cuttings taken June 1961, left side of trail, edge of field, Yoder Farm, Montville. Plant large, spreading 8 feet high and 10 feet wide; crop borne in top in loose clusters. Blossom blight and witches broom present.

**278739. VACCINIUM MYRTILLOIDES Michx.**

Plant collected August 1960, roadside meadow, State Route 3, 2 miles east of Mount Frye. Plant vigorous, spreading; stems to 15 inches long; fruit borne in small, loose clusters; berries late, small; crop 7, color 10, firmness 5, flavor 5, scar 10.



**278740 to 278744. TRITICUM AESTIVUM L. Poaceae.**

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received January 17, 1962.

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|------------------------|------------------------|
| 278740. 'Taichung 2'.  | 278743. 'Taichung 31'. |
| 278741. 'Taichung 23'. | 278744. 'Taichung 32'. |
| 278742. 'Taichung 29'. |                        |

**278745 to 278747.**

From Spain. Seeds presented by Jardin Botanico de Madrid. Received January 17, 1962.

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|--------------------------------------|-----------------|
| 278745. HORDEUM BULBOSUM L. Poaceae. | Bulbous barley. |
| 278746. HORDEUM SECALINUM Schreb.    |                 |
| 278747. HORDEUM VULGARE L.           |                 |

**278748. GOSSYPIUM sp. Malvaceae.**

From British Guiana. Seeds presented by the United States Operations Mission, Georgetown. Received January 17, 1962.

Collected from plants in the wild. Plants 14 feet high; stems 4 inches in diameter; leaves red; blossoms yellow; boll has 3 locks; fiber white.

**278749 and 278750.**

From Mexico. Bulbs collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received January 17, 1962.

**278749. MANFREDA sp. Amaryllidaceae.**

No. 19610. Three to four miles northeast of Tejupilco. Dec. 7, 1961. Elevation 6,000 feet. Plants small, few-leaved rosettes; some of the leaves spotted, broad, pubescent.

**278750. MANFREDA sp.**

No. 19611. Three to four miles northeast of Tejupilco. Dec. 7, 1961. Elevation 6,000 feet. Small, narrow-leaved rosettes with leaves on one side below peduncle.

**278751 to 278757. HIBISCUS SYRIACUS L. Malvaceae.****Shrub-althea.**

From France. Plants purchased from Pepinieres Charles Detriche, Angers (Main-St. Loire). Received January 19, 1962.

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|-------------------------------|------------------------------|
| 278751. 'Amplissima'.         | 278755. 'Rubra Grandiflora'. |
| 278752. 'Boule de Feu'.       | 278756. 'Rubra Plena'.       |
| 278753. 'Monstruosus Simple'. | 278757. 'Snowdrift'.         |
| 278754. 'Roseus Plenus'.      |                              |

**278758 to 278764. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From the Federation of Rhodesia and Nyasaland. Seeds held in storage at the North Carolina State College, Raleigh. Numbered January 19, 1962.

Seeds received from Nyasaland, May 1960.

278758. 'ARS. Spanish'. Plant bunch type, to 35.25 cm. high, medium size; branches 14, sequential; leaflets 273, 61.4 by 27.2 mm., 5th between lower pair; matures in 103 days; shelling 66.4 percent; testa red; kernels 3 per pod, 71 per oz.; oil content 48.9 percent. Very susceptible to *Cercospora*.

## 278758 to 278764—Continued

278759. 'Chalimban'. Plant runner type, to 30 cm. high, large; branches 33, alternate; leaflets 1382, 56.1 by 33.5 mm., 5th between upper pair; matures in 136 days; shelling 65.4 percent; testa pink; kernels 3 per pod, 35 per oz.; oil content 48.9 percent. Moderately susceptible to *Cercospora*.
278760. 'Chimbuwila'. Plant runner type, to 31.75 cm. high, large; branches 37, alternate; leaflets 801, 52.8 by 27.0 mm., 5th between upper pair; matures in 137 days; shelling 69.7 percent; testa pink; kernels 2 to 3 per pod, 53 per oz.; oil content 48.0 percent. Slightly susceptible to *Cercospora*.
278761. 'Dixie Runner'. Plant runner type, to 27.75 cm. high, medium size; branches 39, alternate; leaflets 1353, 43.9 by 28.6 mm., 5th between upper pair; matures in 135 days; shelling 67.1 percent; testa pink; kernels 2 per pod, 62 per oz.; oil content 49.6 percent. Moderately susceptible to *Cercospora*.
278762. 'Early Runner'. Plant runner type, to 20.75 cm. high, small; branches 31, alternate; leaflets 594, 44.3 by 24.1 mm., 5th between upper of lower pair; matures in 121 days; shelling 70.5 percent; testa pink; kernels 2 per pod, 63 per oz.; oil content 48.1 percent. Very susceptible to *Cercospora*.
278763. 'Gambia'. Plant bunch type, to 38.25 cm. high, medium size; branches 15, sequential; leaflets 390, 65.7 by 34.2 mm., 5th between lower pair; matures in 110 days; shelling 67.0 percent; testa brown; kernels 2 per pod, 59 per oz.; oil content 48.4 percent. Very susceptible to *Cercospora*.
278764. 'Mwitunde'. Plant bunch type, to 38.5 cm. high, large spreading; branches 33, alternate; leaflets 786, 54.7 by 28.5 mm., 5th between upper pair; matures in 136 days; shelling 69.1 percent; testa pink; kernels 3 per pod, 60 per oz.; oil content 48.8 percent. Slightly susceptible to *Cercospora*.

## 278765 to 278780.

From Canada. Seeds presented by the Central Experimental Farm, Ottawa, Ontario. Received January 22, 1962.

278765. AGROPYRON CRISTATUM (L.) Gaertn. Poaceae.

Crested wheatgrass.

'Summit'. Selection from a west Siberian experimental station, Omsk, U.S.S.R. strain. A high-yielding tetraploid form similar to 'Fairway' in pasture performance.

- 278766 and 278767. BRASSICA NAPUS L. Brassicaceae.

Rape.

278766. 'Arlo'. From Svalof, Sweden. Cannot be distinguished from commercial 'Polish'. Has low erucic acid content.

278767. 'Golden'. Single plant selection made in Saskatchewan. Superior in oil yield and iodine number.

278768. DACTYLIS GLOMERATA L. Poaceae.

Orchardgrass.

'Chinook'. Lethbridge Research Station selection from a local collection. Very hardy; yield average.

278769. FESTUCA ELATIOR L. Poaceae.

Meadow fescue.

'Ensign'. Combination of several desirable selfed lines outstanding in forage and seed yields.

278770. FESTUCA RUBRA L.

Red fescue.

'Duraturf'. A mass selection from Swedish material. Creeping; a good sod former.

**278765 to 278780—Continued**

**278771. GLYCINE MAX (L.) Merrill Fabaceae. Soybean.**

'Harman'. From the Royal Botanic Garden, Kew, seed collection, probably via Harbin, Manchuria. Plant to 38 inches high; leaves prominently veined; seeds yellow with black hilum.

**278772. HELIANTHUS ANNUUS L. Asteraceae. Sunflower.**

'Advance'. Stem strong; head large; seeds black with white stripe. Resistant to sunflower moth.

**278773. LOLIUM PERENNE L. Poaceae. Perennial ryegrass.**

'Norlea'. Selection from 15,000 plants representing 100 introductions. Extremely winter hardy and high seed yielder.

**278774. LOTUS CORNICULATUS L. Fabaceae. Birdsfoot trefoil.**

'Viking'. Selected at Cornell from European material. Very winter hardy. More uniform, erect, and taller than 'Empire'.

**278775. MELILOTUS OFFICINALIS (L.) Lam. Fabaceae. Yellow sweetclover.**

'Erector'. From Colorado where it was grown as 'Mammoth Yellow' via the Dominican Experimental Farm, Brandon. Developed by massing and selecting plants with branches having a pronounced acute angle to the stem. Stems fine; high ratio of leaves to stem.

**278776. PHASEOLUS VULGARIS L. Fabaceae. Common bean.**

'Clipper'. Selected from a cross, 'Beauty' × 'Burbank', made at the Central Experimental Farm, Ottawa. Seeds white, ends round. Resistant to mosaic.

**278777 to 278779. PISUM SATIVUM L. Fabaceae. Pea.**

**278777. 'Arthur'.** Cross between 'Mummy' × 'Multiplier'. Seed wrinkled, 1,000=230 grams; used in soup.

**278778. 'Chancellor'.** From an earlier variety of the same name. Seed smooth, yellow, 1,000=134 grams; used in soup.

**278779. 'Creamette'.** Cross between ('Chancellor' × 'Early Raymond') × 'Stirling'. Seeds smooth, yellow.

**278780. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.**

'Lasalle'. Equal parts of seeds of 'Dollard' and Ottawa varieties. Double cut type with some resistance to *Sclerotinia* root rot, northern anthracnose, and mildew.

**278781 to 278785. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.**

From Pakistan. Seeds presented by the Baker Castor Oil Company, Los Angeles, Calif. Received January 22, 1962.

All stems were with bloom; capsules were green, spiny.

**278781.** Plant No. 1, 4.5 feet high; stem small, green; 1st flower at 11th node.

**278782.** Plant No. 2, 5.5 feet high; stem small, green; 1st flower at 11th node.

**278783.** Plant No. 3, 4.5 feet high; stem very small, green; 1st flower at 11th node.

**278784.** Plant No. 4, 6.5 feet high; stem medium, red; 1st flower at 11th node.

**278785.** Plant No. 5, 6.5 feet high; stem medium, red; 1st flower at 12th node.



**278786 to 278839. TRIFOLIUM HYBRIDUM L. Fabaceae.****Alsike clover.**

From the United States. Seeds collected by the Colorado State University and the Crops Research Division, U.S. Department of Agriculture.

Numbered January 22, 1962.

Collected in states indicated.

278786. No. 1. Deyo Jeffer's Ranch, Banner, Wyo. Elevation 3,800 feet. Meadow area. Infected with powdery mildew and virus.

278787. No. 2. Masters Ranch, Ranchester, Wyo. Elevation 3,800 feet. Meadow area. Infected with powdery mildew and virus.

278788. No. 3. Roadside, 55 miles south of Bozeman, along Gallatin River, Mont. Elevation 6,000 feet.

278789. No. 4. Whitney Brothers Ranch, Twin Bridges, Mont. Elevation 4,800 feet. Wet meadow. Infected with sooty blotch.

278790. No. 5. Five Z Ranch, 20 miles east of Jackson, Mont. Elevation 7,000 feet. Relatively dry valley, adjacent to wet meadow. Infected with powdery mildew.

278791. No. 6. Adjacent to wet meadow, 0.5 mile south of Jackson, Mont. Elevation 6,474 feet. Disease free.

278792. No. 7. Eight miles south of Wisdom, Mont. Elevation 6,300 feet. Wet meadow. Disease free.

278793. No. 8. Wet meadow. Fishtrap, Mont. Elevation 6,000 feet.

278794. No. 9. Top of pass between Fishtrap and Anaconda, Mont. Elevation 7,200 feet. Site rugged; plants short, rosettes. Infected with powdery mildew.

278795. No. 10. Wet meadow. Near Finn, 10 miles north of Avon, Mont. Elevation 4,500 feet. Infected with sooty blotch and powdery mildew.

278796. No. 11. One mile south of Helmville, Mont. Elevation 4,000 feet. Wet meadow. Infected with sooty blotch.

278797. No. 12. Along Blackfoot River two miles above junction of Montana 20 and Secondary 271. Wet meadow. Elevation 4,000 feet. Disease free.

278798. No. 13. Two miles north of Potomac, and at Potomac, Mont. Elevation 4,000 feet. Dry meadow. Infected with sooty blotch.

278799. No. 14. Lakefork to Cascade, Idaho. Elevation 5,000 feet. Infected with mildew and sooty blotch.

278800. No. 15. Star Valley, 2.5 miles south of Smoot. Elevation 6,600 feet. Infected with sooty blotch.

278801. No. 16. One mile west of Tetonia, Idaho. Elevation 6,500 feet. Wet meadow. Infected with sooty blotch.

278802. No. 17. One mile west of Wilson, Wyo. Elevation 6,200 feet. Dry meadow. Infected with sooty blotch.

278803. No. 18. Wet meadow, 2.5 miles southwest of Jackson, Wyo. Elevation 6,200 feet. Infected with sooty blotch.

278804. No. 19. One mile south of Bondurant, Wyo. Elevation 6,600 feet. Wet meadow. Infected with sooty blotch.

278805. No. 20. Wet meadow, 0.5 mile north of Daniels, adjacent to Green River, Wyo. Elevation 7,200 feet. Disease free.

278806. No. 21. Meadows between Cora and Pinedale, Wyo. Elevation 7,200 feet. Wet meadow. Disease free.

278807. No. 22. Near Merna, about 16 miles from junction of Highways 187 and 189, Wyo. Elevation 7,400 feet. Wet meadow. Disease free.

**278786 to 278839—Continued**

278808. No. 23. Between Merna and Daniels, Wyo. Elevation 7,300 feet. Wet meadows. Disease free.
278809. No. 24. Grable Ranch, east of Boulder, Wyo. Elevation 7,100 feet. Wet meadow. Infected with powdery mildew.
278810. No. 25. Olson Ranch, 0.5 mile west of Boulder, Wyo. Elevation 7,100 feet. Wet meadow. Disease free.
278811. No. 26. Wet meadow, 0.5 mile west of Milner, Colo. Elevation 6,300 feet. Infected with sooty blotch.
278812. No. 27. Along Elk River, Colo. Elevation 7,000 feet. Wet meadows. Infected with sooty blotch.
278813. No. 28. Four miles south of Steamboat Springs, Colo. Elevation 6,700 feet. Infected with sooty blotch.
278814. No. 29. Wet meadows, 0.5 mile north of Yampa, Colo. Elevation 7,800 feet. Infected with sooty blotch.
278815. No. 30. Three miles east of summit, Gore Pass. Elevation 8,250 feet. Wet meadow. Infected with sooty blotch.
278816. No. 31. Fifteen miles south of Muddy Pass, Colo. Elevation 7,800 feet. Wet meadow. Disease free.
278817. No. 32. Ten miles northeast of Muddy Pass, Colo. Elevation 8,500 feet. Wet meadow. Disease free.
278818. No. 33. Five miles west of Hebron, Colo. Elevation 8,400 feet. Wet meadow. Infected with mildew and sooty blotch.
278819. No. 34. Carlstrom Ranch west of Walden, Colo. Elevation 8,300 feet. Wet meadow.
278820. No. 35. Near Tarryall, Colo. Elevation 8,250 feet. Wet meadow. Infected with sooty blotch.
278821. No. 36. Means Ranch, base of Monarch Pass and 8 miles below Sargents, Colo. Elevation 8,250 feet. Wet meadow. Infected with sooty blotch.
278822. No. 37. Adams Ranch, edge of Gunnison, along Tomichi Creek, Colo. Elevation 7,700 feet. Wet meadow. Infected with sooty blotch.
278823. No. 38. Dave Howard Ranch near Powderhorn, Colo. Elevation 8,500 feet. Dry meadow. Disease free.
278824. No. 39. One and 10 miles north of Lake City, Colo. Elevation 8,600 feet. Dry meadow. Infected with sooty blotch.
278825. No. 40. William Jutten Ranch, southeast of Montrose, Colo. Elevation 6,000 feet. Infected with sooty blotch.
278826. No. 41. Bruce Phillips Ranch, Ridgeway, Colo. Elevation 7,000 feet. Meadow. Infected with sooty blotch.
278827. No. 42. Harry McClure Ranch, near Dallas Divide, Colo. Elevation 7,300 feet. Wet meadow. Infected with mildew and sooty blotch.
278828. No. 43. Wet meadow. 0.25 mile west of Telluride, Colo. Elevation 8,800 feet. Disease free.
278829. No. 44. Russell Bonds Ranch, 8 miles northwest of Durango. Elevation 7,500 feet. Hillside. Infected with sooty blotch.
278830. No. 45. Daley Hott Ranch northwest of Pagosa Springs, Colo. Elevation 7,300 feet. Dry meadow. Infected with sooty blotch.
278831. No. 46. Sisson Ranch southwest of Pagosa Springs, Blanco Basin, Blanco Basin River, Colo. Elevation 7,500 feet. Wet meadow. Infected with sooty blotch.
278832. No. 47. Crowley Ranch south of Chromo, Colorado-New Mexico line. Elevation 7,500 feet. Infected with sooty blotch.

**278786 to 278839—Continued**

278833. No. 48. Along Trout Creek 0.5 miles above Baxterville, Colo. Elevation 8,000 feet. Infected with sooty blotch.
278834. No. 49. Along Rio Grande, six miles west of and one mile north of Del Norte, Colo. Elevation 7,900 feet. Dry meadow.
278835. No. 50. Near Villa Grove, Colo. Elevation 7,800 feet. Wet meadow. Disease free.
278836. No. 51. Two miles south of Nathrop, Colo. Elevation 7,700 feet. Wet meadow. Infected with sooty blotch.
278837. No. 52. Thirteen miles south of Fairplay, Colo. Elevation 9,500 feet. Wet meadow. Disease free.
278838. No. 53. Byers Ranch, South Park. Fairplay, Colo. Elevation 10,000 feet. Wet meadow. Disease free.
278839. No. 54. One mile west of Westcliff, Colo. Elevation 7,900 feet. Wet meadow. Disease free.

**278840 to 278845.**

From Australia. Plants purchased from Hazlewood Nurseries, Epping, New South Wales. Received January 23, 1962.

278840. *HIBISCUS* sp. Malvaceae.

'Auerole'.

278841. *HIBISCUS* sp.

'George Harwood'.

278842. *HIBISCUS* sp.

'Gloria'.

278843. *HIBISCUS* sp.

'Madeline Champion'.

278844. *LAGERSTROEMIA* sp. Lythraceae.

'Pink'.

278845. *VIBURNUM ODORATISSIMUM* Ker-Gawl. Caprifoliaceae.

Sweet viburnum.

**278846 to 278851. FRAGARIA CHILOENSIS var. ANANASSA Bailey Rosaceae.**

From France. Seeds presented by the Station d'Amelioration des Plantes Maraicheres, Domaine Saint-Maurice, Montfavet. Received Jan. 23, 1962.

Everbearing. Selfed. They form few if any stolons.  $2n=56$  chromosomes.

278846. 'Gabriel d'Arbonville'.

278849. 'Madam Chaverot'.

278847. 'Geant Framboise'.

278850. 'Record'.

278848. 'Inepuisable'.

278851. 'Reine des Neiges'.

**278852. CITRUS sp. Rutaceae.**

From Spain. Seeds presented by C. Escriva, Valencia. Received Jan. 23, 1962.

**278853 to 278857.**

From the Netherlands. Plants purchased from the Royal Noerheim Nurseries, Dedemsvaart. Received Jan. 24, 1962.

278853. *VIBURNUM DAVIDII* Franch. Caprifoliaceae.

'Femina'.



**278853 to 278857—Continued**

278854 and 278855. *VIBURNUM PLICATUM* Thunb. Japanese snowball.

278854. 'Rowallane'.

278855. 'St. Keverne'.

278856. *VIBURNUM PLICATUM* f. *MARIESII* (Veitch) Rehd.

278857. *VIBURNUM* × *CHENAULTII* Chen.

**278858 to 278861. *TRITICUM AESTIVUM* L. Poaceae.**

**Common wheat.**

From Rhodesia. Seeds presented by the Federal Ministry of Agriculture, Salisbury. Received Jan. 24, 1962.

278858. 'Kafue' I 942.

278860. 'Marodzi' I 944.

278859. 'Limpopo' I 943.

278861. 'Mazoe' I 945.

**278862. *PSOPHOCARPUS TETRAGONOLOBUS* (L.) DC. Fabaceae.**

**Goabean.**

From Ceylon. Seeds presented by the Botanist's Research Station, Katugastota. Received Jan. 24, 1962.

Plants generally used as forage; roots tuberous, used as food in Burma; pods large, four angled, eaten like beans in Ceylon.

**278863 to 279004.**

From India. Seeds presented by the Rockefeller Foundation, New Delhi. Received Jan. 24, 1962.

**278863. *PENNISETUM SCHIMPERI* Steud. ex A. Rich. Poaceae.**

No. S-108. I.P. No. 254. Ethiopia.

**278864 to 278968. *PENNISETUM SPICATUM* (L.) Willd.**

**Pearl millet.**

**278864 to 278870.** Originally from Uganda.

278864. No. S-1. B-2 millets 'A.' I.P. No. 115.

278865. No. S-2. B-3 millets 'B.' No. 116.

278866. No. S-3. B-4 millets 'C.' I.P. No. 117.

278867. No. S-4. B-5 millets 'D.' I.P. No. 118.

278868. No. S-5. B-6 millets 'E.' I.P. No. 119.

278869. No. S-6. B-7 millets 'F.' I.P. No. 120.

278870. No. S-7. B-8 millets 'G.' I.P. No. 121.

**278871 to 278896.** Originally from Tanganyika via Uganda.

278871. No. S-8. B-9 Magashi. I.P. No. 122.

278872. No. S-9. B-11 Wuyan Gajima. I.P. No. 123.

278873. No. S-10. B-12 Awned millet. I.P. No. 124.

278874. No. S-11. B-13 Sukuma. I.P. No. 125.

278875. No. S-12. B-14 M. IS. I.P. No. 126.

278876. No. S-13. B-15 M. 2S. I.P. No. 127.

278877. No. S-14. B-16 M. 3S. I.P. No. 128.

278878. No. S-15. B-17 M. 4S. I.P. No. 129.

278879. No. S-16. B-18 M. 5S. I.P. No. 130.

278880. No. S-17. B-19 M. 6S. I.P. No. 131.

278881. No. S-18. B-20 M. 7S. I.P. No. 132.

278882. No. S-19. B-21 M. 8S. I.P. No. 133.

**278863 to 279004—Continued****278871 to 278896—Continued**

- 278883. No. S-20. B-22 M. 9S. I.P. No. 134.
- 278884. No. S-21. B-23 M.10S. I.P. No. 135.
- 278885. No. S-22. B-24 M.11S. I.P. No. 136.
- 278886. No. S-23. B-25 M.12S. I.P. No. 137.
- 278887. No. S-24. B-26 M.13S. I.P. No. 138.
- 278888. No. S-25. B-27 M.14S. I.P. No. 139.
- 278889. No. S-26. B-28 M.15S. I.P. No. 140.
- 278890. No. S-27. B-29 M.16S. I.P. No. 141.
- 278891. No. S-28. B-38 M.16S. I.P. No. 150.
- 278892. No. S-29. B-39 Tau. I.P. No. 151. Northern Rhodesia.
- 278893. No. S-30. B-40 Tjolotjo. I.P. No. 152. Northern Rhodesia.
- 278894. No. S-31. B-41 Managel. I.P. No. 153. Northern Rhodesia.
- 278895. No. S-32. B-42 Korajan yellow. I.P. No. 154. Northern Rhodesia.
- 278896. No. S-33. B-44 Cumber, Njoro. I.P. No. 155.

**278897 to 278908. Originally from Kenya via Uganda.**

- 278897. No. S-35. B-47 Kitni millet sample 1. I.P. No. 158.
- 278898. No. S-36. B-48 Kitni millet sample 2. I.P. No. 159.
- 278899. No. S-37. B-49 Kitni millet sample 3. I.P. No. 160.
- 278900. No. S-38. B-50 Maweke Kikomba sample 1. I.P. No. 161.
- 278901. No. S-39. B-51 Maweke Kikomba sample 2. I.P. No. 162.
- 278902. No. S-40. B-52 Maweke Kikomba sample 3. I.P. No. 163.
- 278903. No. S-41. B-53 Maweke Kanithia sample 1. I.P. No. 164.
- 278904. No. S-42. B-54 Maweke Kanithia sample 2. I.P. No. 165.
- 278905. No. S-43. B-64 Bulrush millet, Magolomando, Nyasaland. I.P. No. 171.
- 278906. No. S-44. B-65 Bulrush millet, short term Chikuanea. I.P. No. 172.
- 278907. No. S-45. B-66 Bulrush millet, Visnza Koto Kota. I.P. No. 173.
- 278908. No. S-46. B-67 Bulrush millet, Gowa Area, Nehan. I.P. No. 174.

**278909 to 278922. Originally from Nyasaland via Uganda.**

- 278909. No. S-47. B-68 Bulrush millet, Mkwindlegena. I.P. No. 175.
- 278910. No. S-48. B-69 Bulrush millet, Nsipe Valley, Nehan. I.P. No. 176.
- 278911. No. S-49. B-70 Bulrush millet, Nitonge. I.P. No. 177.
- 278912. No. S-50. B-73 Bulrush millet, Lundu 'B'. I.P. No. 179.
- 278913. No. S-51. B-75 Bulrush millet, Luwonde. I.P. No. 181.
- 278914. No. S-52. B-76 Bulrush millet, India 'Port Herland'. I.P. No. 183.
- 278915. No. S-53. B-78 Bulrush millet, Chimpanemba 'Port Herland'. I.P. No. 184.

**278863 to 279004—Continued****278909 to 278922—Continued**

278916. No. S-54. B-80 Bulrush millet, Kandu area, Liulezezi, Nehan. I.P. No. 186.
278917. No. S-55. B-81 Bulrush millet, Mplamba 'Port Herland'. I.P. No. 187.
278918. No. S-56. B-82 Bulrush millet, Tshangu, Lilongwe. I.P. No. 188.
278919. No. S-57. B-83 Bulrush millet, Kasiya, I.P. No. 189.
278920. No. S-58. B-84 Bulrush millet, Mlanje 'A'. I.P. No. 190.
278921. No. S-59. B-85 Bulrush millet, Mlanje 'C'. I.P. No. 191.
278922. No. S-60. B-86 Bulrush millet, Mlanje, Kasungu. I.P. No. 192.
- 278923 to 278934. Originally from Kenya via Uganda.
278923. No. S-61. B-87 Maweke Kalama, Machakor. I.P. No. 193.
278924. No. S-62. B-88 Machakor Maweke. I.P. No. 194.
278925. No. S-63. B-89 Machakor grown in Loc. 12, Kangomdin. I.P. No. 195.
278926. No. S-64. B-90 Abyssian hairy millet Loc. 11. I.P. No. 196.
278927. No. S-65. B-91 Kiharu Div. F/Hall. I.P. No. 197.
278928. No. S-66. B-96 millet, Mezu. I.P. No. 198.
278929. No. S-67. B-97 millet, Embu. I.P. No. 199.
278930. No. S-68. B-98 Unil PC6 Selection Bomaby. I.P. No. 200.
278931. No. S-69. B-99 Unil PC14 Selection Bomaby. I.P. No. 201.
278932. No. S-70. B-100 Unil PC18 Selection Bomaby. I.P. No. 202.
278933. No. S-71. B-101 Unil PC24 Selection Bomaby. I.P. No. 203.
278934. No. S-72. B-106 commercial Bahala. I.P. No. 205.
278935. No. S-73. B-128 birdproof, from Haylock. I.P. No. 219.
278936. No. S-74. B-129 'Hedge Hog', from Nyasaland. I.P. No. 220.
278937. No. S-75. B-131 long headed millet. I.P. No. 221.
278938. No. S-76. B-132 Tjlotjo millet. I.P. No. 222.
278939. No. S-77. B-1 awned millet. I.P. No. 223.
278940. No. S-101. MWEE, from Kasungumi. I.P. No. 247.
278941. No. S-102. MWEE, from Kola, I.P. No. 248.
278942. No. S-103. Rhodesian commercial, Nyouti local. I.P. No. 249.
278943. No. S-104. Tjlotjo, bearded Nyouti. I.P. No. 250.
278944. No. S-105. Kunkhon-Khartoum. I.P. No. 251.
278945. No. S-107. I.P. No. 253.
278946. No. S-110. Babola DL/59/1550. I.P. No. 256.
278947. No. S-111. Originally from Katherine, Northern Territory Australia, FAO Seed Accession No. 8480, S150. I.P. No. 257.
278948. No. S-112. FAO Seed Accession No. 8489, S150. I.P. No. 258.
278949. No. S-114. 1-58 early millet. I.P. No. 260.
278950. No. S-115. 8/59 birdproof. I.P. No. 261.
278951. No. S-116. 556 Kordfan yellow. I.P. No. 262.



**278863 to 279004—Continued**

278952. No. S-117. 7/59 Kasama Local Selection. I.P. No. 263.  
278953. No. S-118. 12/56 Tjolotjo. I.P. No. 264.  
278954. No. S-119. 2/58 Kabanga. I.P. No. 265.  
278955. No. S-120. K. yellow E.C. R/205A. I.P. No. 266.  
278956. No. S-121. K. black E.C. R/205B. I.P. No. 267.  
278957. No. S-122. Maigashi E.C. R/344. I.P. No. 268.  
278958. No. S-123. Managil E.C. R/982. I.P. No. 269.  
278959. No. S-133. 6. I.P. No. 580.  
278960. No. S-134. 35-7B. I.P. No. 581.  
278961. No. S-135. 35-8. I.P. No. 582.  
278962. No. S-136. 35-10. I.P. No. 583.  
278963. No. S-137. 35-49. I.P. No. 584.  
278964. No. S-138. 46-9. I.P. No. 585.  
278965. No. S-139. 49-1. I.P. No. 586.  
278966. No. S-140. 49-2. I.P. No. 587.  
278967. No. S-141. PC 19. I.P. No. 588.  
278968. No. S-142. PC 28. I.P. No. 589.
- 278969 to 279001. PENNISETUM TYPHOIDES (Burm.) Stapf & Hubbard.**
278969. No. S-78. Soroti. Ear short; grain large; awns short. I.P. No. 224.  
278970. No. S-79. Ear and grain medium size. I.P. No. 225.  
278971. No. S-80. Soroti. Ear medium size; seed large. I.P. No. 226.  
278972. No. S-81. Soroti. Plant and ear small. I.P. No. 227.  
278973. No. S-82. Soroti. Ear small; grain medium size; glumes dark grey. I.P. No. 228.  
278974. No. S-83. Soroti. Ear medium size; grain large. I.P. No. 229.  
278975. No. S-84. Soroti. Ear and grain medium size. I.P. No. 230.  
278976. No. S-85. Soroti. Ear and grain medium size; awns short. I.P. No. 231.  
278977. No. S-86. Soroti. Seed large; awns short. I.P. No. 232.  
278978. No. S-87. Soroti. Ear large; seed buff. I.P. No. 233.  
278979. No. S-88. Soroti. Ear small lump; grains bold. I.P. No. 234.  
278980. No. S-89. Soroti. Seeds large. I.P. No. 235.  
278981. No. S-90. Soroti. Ear and grain long. I.P. No. 236.  
278982. No. S-91. Soroti. Ear small. I.P. No. 237.  
278983. No. S-92. Soroti. Ear and grain medium size. I.P. No. 238.  
278984. No. S-93. Soroti. Plant semidwarf; ear medium size; seeds large. I.P. No. 239.  
278985. No. S-94. Soroti. Grain large; awn short. I.P. No. 240.  
278986. No. S-95. Soroti. Panicle loose; seed large. I.P. No. 241.  
278987. No. S-96. Soroti. Ear and grain large. I.P. No. 242.  
278988. No. S-97. Soroti. Heads small; glumes dark grey. I.P. No. 243.  
278989. No. S-98. Soroti. Ear thick, medium length; grain large. I.P. No. 244.

**278863 to 279004—Continued****278969 to 279001—Continued**

278990. No. S-99. Soroti. Ear and seed small. I.P. No. 245.  
 278991. No. S-100. Soroti. Seed large. I.P. No. 246.  
 278992. No. S-106. Md. 48, Ex-Kanozaria. I.P. No. 252.  
 278993. No. S-124. No. 1, Selection Masangu. I.P. No. 270.  
 278994. No. S-125. No. 2, Variete Elite Feshi. I.P. No. 271.  
 278995. No. S-126. No. 3, Population Synthetique Blanche. I.P. No. 272.  
 278996. No. S-127. No. 4, Population Synthetique Forragore. I.P. No. 273.  
 278997. No. S-128. No. 5, Reserve Genetique. I.P. No. 274.  
 278998. No. S-129. No. 6, Variete 5096/1. I.P. No. 275.  
 278999. No. S-130. No. 7, Variete Masangu. I.P. No. 276.  
 279000. No. S-131. No. 8, Lignee Epuree MP 1/2/1. I.P. No. 227.  
 279001. No. S-132. No. 9, Lignee Epuree S6 No. 375/1/1. I.P. No. 278.
279002. *PENNISETUM VILLOSUM* R. Br. **Feathertop.**  
 No. S-109. I.P. No. 255.
279003. *PENNISETUM* sp.  
 No. S-34. B-45. I.P. No. 156.
279004. *PENNISETUM* sp.  
 No. S-113. Suda No. S. G. 507. Wild. I.P. No. 259.

**279005 to 279008.**

From Japan. Seeds presented by the National Horticultural Experiment Station, Hiratsuka, Kanagawaken. Received January 25, 1962.

Seeds collected in Takakuma Experimental Forest, Kagoshima University, Osumi Province. Elevation 500 meters.

279005. *CAMELLIA JAPONICA* L. Theaceae. **Common camellia.**  
 279006. *ILEX CRENATA* Thunb. Aquifoliaceae. **Japanese holly.**  
 279007. *RHODODENDRON SATAENSE* Nakai Ericaceae.  
 279008. *VACCINIUM BRACTEATUM* Thunb. Vacciniaceae. **Oriental blueberry.**

**279009. ALOPECURUS PRATENSIS L. Poaceae. Meadow foxtail.**

From Czechoslovakia. Seeds presented by the Botanicka Zahrada University Komenskeho, Bratislava. Received Jan. 25, 1962.

No. 634.

**279010 to 279013. TRIFOLIUM SUBTERRANEUM L. Fabaceae. Subterranean clover.**

From Australia. Seeds purchased from F. H. Brunning Proprietary Limited, Melbourne. Received Jan. 25, 1962.

279010. 'Bacchus Marsh'. Plants early flowering; seeds dull, very dark.  
 279011. 'Clare'. Plants early flowering; seeds glossy, very dark.  
 279012. 'Mt. Barker'. Plants midseason flowering; seeds dull, very dark.  
 279013. 'Yarloop'. Plants early flowering; seeds dull, light tan.

**279014 to 279038. ZEA MAYS L. Poaceae.****Corn.**

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas, Madrid. Received Jan. 25, 1962.

279014. No. 1. 'Perla Blanca', Saltodor Levantino race. From Segorbe (Castellon).  
 279015. No. 35. 'Daxa de la Bela'. Daxa race. From Vergel (Alicante).  
 279016. No. 45. Extremeno race. From Medellin (Badajoz).  
 279017. No. 67. 'Babacho Blanco'. Hembrilla Levantino race. From Jerica (Castellon).  
 279018. No. 83. 'Zaragozano'. Hembrilla race. From Calatayud (Zaragoza).  
 279019. No. 88. 'Vinoso Rastrojero'. Hembrilla Rastrojero race. From Zaragoza.  
 279020. No. 98. 'Blanco Carrurro'. Basto Sur race. From Benalup de Si-  
 donia (Cadiz).  
 279021. No. 103. 'Orotava 8'. Canario Hembrilla race. From La Orotava  
 (Tenerife).  
 279022. No. 107. 'Enano'. Canario Enano race. From Lanzarote.  
 279023. No. 123. 'Rastrojero'. Vasco Enano Precoz race. From Panteve-  
 dra.  
 279024. No. 124. Gallego race. From Parada del Sil (Orense).  
 279025. No. 135. 'Rubio'. Asturiano race. From Freas de Eiras (Orense).  
 279026. No. 184. 'Naranja'. Hembrilla Norte race. From Castaneda (San-  
 tander).  
 279027. No. 200. Vasco race. From Azpeitia (Guipuzcoa).  
 279028. No. 236. Norte Gordo race. From Sumbilla (Navarra).  
 279029. No. 238. 'Amonquilina'. Hembrilla Levantino Precoz race. From  
 Valencia.  
 279030. No. 240. 'Panizo Amarillo'. Panizo Levantino race. From Valde-  
 ganga (Albacete).  
 279031. No. 257. Andaluz Precoz race. From Larchar (Granada).  
 279032. No. 318. 'Fino'. Fino race. From Jerez de la Frontera (Cadiz).  
 279033. No. 335. 'Morado Andaluz'. Sur Secano race. From Ecija (Se-  
 villa).  
 279034. No. 368. 'Millo de Regadio'. Canario Hembrilla Enano race. From  
 La Corte Antigua (Fuenteventura).  
 279035. No. 269. 'Millo de Secano'. Canario Fino race. From Asomada de  
 Tetir, Puerto del Rosario (Fuenteventura).  
 279036. No. 370. 'Marruecos'. Canario race. From Teror (Gran Canaria).  
 279037. No. 379. 'Pejo de Cuna'. Norte Precoz race. From Lage (La Co-  
 runa).  
 279038. No. 506. 'Queixalet'. Queixalet race. From Valencia.

**279039. TELFAIRIA PEDATA (J.E. Smith) Hook. Cucurbitaceae.**

From Rhodesia. Seeds presented by the United States Embassy, Salisbury.  
 Received January 26, 1962.

**279040 and 279041. VITIS VINIFERA L. Vitaceae.****European grape.**

From France. Budsticks presented by the Institut des Vins de Consommation  
 Courante, Angers. Received January 29, 1962.

279040. 'Seibel 8355 Noir'.  
 279041. 'Seibel 11701 Rose'.



**279042. LITHOCARPUS HENRYI (Seemen) Rehd. & Wils. Fagaceae.**

From Georgia. Tree growing at the United States Plant Introduction Station, Savannah. Received January 29, 1962.

**279043. AVENA SATIVA L. Poaceae. Common oats.**

From Great Britain. Seeds presented by the Cereal Breeding Department, Welsh Plant Breeding Station, near Aberystwyth, Wales. Received January 29, 1962.

'Manrod'. S 235. Spring type.

**279044 to 279050. CYDONIA OBLONGA Mill. Malaceae. Quince.**

From France. Rooted cuttings presented by the Station de Recherches de Viticulture, Angers. Received January 30, 1962.

279044. C. 21-L4.

279048. C. 98-4.

279045. C. 29-L1.

279049. C. 101.

279046. C. 85-1.

279050. C. 109-2.

279047. C. 96-8.

**279051 to 279054. CARTHAMUS TINCTORIUS L. Asteraceae. Safflower.**

From India. Seeds presented by the Agricultural Research Station, Parbhani. Received January 30, 1962.

279051. Indian No. 246; U. California No. 61-20; iodine value 140; oil content 33.8 percent.

279052. Indian No. 456; U. California No. 61-21; iodine value 143; oil content 35.3 percent.

279053. Indian No. 535; U. California No. 61-18; iodine value 140; oil content 33.0 percent.

279054. Indian No. 537; U. California No. 61-19; iodine value 140; oil content 32.9 percent.

**279055. PIERIS FLORIBUNDA (Pursh) Benth. & Hook. f. Ericaceae.**

From Great Britain. Cuttings presented by the Sunningdale Nurseries, Windlesham, Surrey, England. Received January 30, 1962.

**279056 and 279057. PYRACANTHA (hybrids). Malaceae.**

From the Netherlands. Plants purchased from Vuyk Van Nes Nurseries, Boskoop. Received January 30, 1962.

279056. 'Golden Charmer'. *P. coccinea* × *P. crenulata*.

279057. 'Orange Charmer'. *P. coccinea* × *P. crenulata*.

**279058 to 279070. VITIS VINIFERA L. Vitaceae. European grape.**

From Italy. Budsticks presented by the Instituto di Patologia Vegetale Universite, Milan. Received February 1, 1962.

279058. 'Belandiere' × 'Riparia-420'.

279059. 'Chasselas' × 'Berlandieri-41B'.

279060. 'Cortese'.

279061. 'Croattina'.

279062. 'Malvasia'.

279063. 'Moscato'.

279064. 'Pinot Noir'.

**279058 to 279070—Continued**

279065. 'Riesling Renano'.  
 279066. 'Riesling Italico'.  
 279067. 'Rupestris du Lot'.  
 279068. 'Trebiano'.  
 279069. 'Ughetta'.  
 279070. 'Uva Rara'.

**279071 and 279072. SACCHARUM (hybrids). Poaceae.****Sugarcane.**

From Peru. Cuttings presented by the United States Embassy, Lima. Received February 1, 1962.

279071. LA-511, grown at Laredo.  
 279072. LA-52-604, grown at Laredo.

**279073 and 279074. CORCHORUS CAPSULARIS L. Tiliaceae. Jute.**

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei. Received February 2, 1962.

279073. 'Huwei Green Bark'.  
 279074. 'Shuishang Green Bark'.

**279075 to 279080. CARTHAMUS TINCTORIUS L. Asteraceae.****Safflower.**

From Greece. Seeds collected and presented by Kenny McCorkle, University of California, Davis. Received February 2, 1962.

279075. No. 1. Kavalla road, 31 miles east of Salonica. Sept. 1961. Plants small, with three heads per plant; flowers yellow.  
 279076. No. 2. South of Lake Iolvi, between Salonica and Kavalla. Sept. 1961. Plants yellowish brown with long stickers, to 24 inches high; flowers yellow.  
 279077. No. 3. North of Athens, three miles from Philothei. Oct. 1961. Plants to 30 inches high; flowers yellow.  
 279078. No. 4. Northern suburbs of Athens. Nov. 1961. Plants to 15 inches high; heads large; flowers yellow.  
 279079. No. 5. Larissa road, 13 miles north of Lamia. Sept. 1961. Plant grey, to 18 inches high; flowers purple.  
 279080. No. 6. Near Lake Iolvi, between Salonica and Kavalla. Sept. 1961. Plant large, about 18 inches high with long thorns; flowers purple.

**279081. GLYCINE MAX (L.) Merrill Fabaceae.****Soybean.**

From South Africa. Seeds presented by the R. W. Gunson Seeds Limited, London, England. Received February 2, 1962.

'Masterpiece'. Developed in South Africa. High yielding for both hay and seed; non-shattering, pods high; for mechanical harvesting.

**279082 to 279116.**

From Tanganyika. Seeds presented by the Southern Regional Research Centre, Nachingwea. Received February 2, 1962.

**279082 to 279115. GLYCINE MAX (L.) Merrill Fabaceae.****Soybean.**

	<i>Nachingwea No.</i>	<i>Designation</i>	<i>Source</i>
279082.	I-1-50	'Hernon 237'.	S. Rhodesia.
279083.	I-2-50	MIS28EB 3109.	Indonesia.

**279082 to 279116—Continued****279082 to 279115—Continued**

	<i>Nachingwea No.</i>	<i>Designation</i>	<i>Source</i>
279084.	I-3-50.	'Benares'.	Nigeria.
279085.	I-4-50.	'Malaya'.	Nigeria.
279086.	I-2-52.	CNS.	U.S.A.
279087.	I-3-52.	R184.	Unknown.
279088.	I-4-52.	'Light Speckled'.	Unknown.
279089.	I-5-52.	'Glycine Ruggett'.	Indonesia.
279090.	I-6-52.	S14.	Congo or W. Africa.
279091.	I-7-52.	S3.	Congo or W. Africa.
279092.	I-1-57.	'Toro'.	Uganda.
279093.	I-5-57.	'Soya 16'.	Philippines.
279094.	I-6-57.	H29.	Uganda.
279095.	I-7-57.	'Soya 29'.	Philippines.
279096.	I-8-57.	'Venezuela'.	Venezuela.
279097.	I-1-58.	'Yellow I'.	Ceylon.
279098.	I-11-58.	'Soya Noin'.	French Guinea.
279099.	I-24-58.	C1.	Malaya.
279100.	I-25-58.	C2.	Malaya.
279101.	I-33-58.	C21.	Malaya.
279102.	I-34-58.	C28.	Malaya.
279103.	I-36-58.	D5.	Malaya.
279104.	I-37-58.	D7.	Malaya.
279105.	I-38-58.	E1.	Malaya.
279106.	I-39-58.	E3.	Malaya.
279107.	I-40-58.	H2.	Malaya.
279109.	I-42-58.	L1.	Malaya.
279108.	I-41-58.	M1.	Malaya.
279110.	I-43-58.	O3.	Malaya.
279111.	I-44-58.	P2.	Malaya.
279112.	I-45-58.	P3.	Malaya.
279113.	I-46-58.	P4.	Malaya.
279114.	I-47-58.	R4.	Malaya.
279115.	I-48-58.	R6.	Malaya.

**279116. GLYCINE JAVANICA L.**

Grown as ground cover in sisal plantation in Tanga Province.

**279117 and 279118. LILIUM NEPALENSE D. Don Liliaceae. Lily.**

From India. Seeds and bulbs presented by the United States Embassy, New Delhi. Received February 2, 1962.

279117. Nepal.

279118. Nepal.



**279119 to 279174. ORYZA SATIVA L. Poaceae.****Rice.**

From the United States. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received February 5, 1962.

279119. 'Ban-tien-tze'.	279147. 'Mean-don-tsi'.
279120. 'Bir-co'.	279148. 'Mean-down'.
279121. 'Bir-co-chin-yu'.	279149. 'Niao-yao'.
279122. 'Bir-co-yuan-li'.	279150. 'Nung Yu 1830'.
279123. 'Bir-gou-tze'.	279151. 'Shun-gan'.
279124. 'Chu-tze'.	279152. 'Siam'.
279125. 'Chia-nung Yu 439'.	279153. 'Taichung Pai-co'.
279126. 'Chin-gou-tsan'.	279154. 'Taichung Woo-gen 2'.
279127. 'Chuan-lu'.	279155. 'Taiepi 301'.
279128. 'Chung-lin-chun'.	279156. 'Tainan (Upland) 1'.
279129. 'Dan-kwang-hwa-loo'.	279157. 'Tainan (Upland) 2'.
279130. 'Dee-geo-mean-don'.	279158. 'Tainan Ta-bir'.
279131. 'Dee-geo-woo-ten'.	279159. 'Taipei Liu-tou-tze'.
279132. 'Guze'.	279160. 'Tainung 38'.
279133. 'Hsinchu 4'.	279161. 'Taitung (Upland) 160'.
279134. 'Hsinchu 51'.	279162. 'Taitung (Upland) 286'.
279135. 'Hsinchu 52'.	279163. 'Taitung (Upland) 314'.
279136. 'Hsinchu 54'.	279164. 'Taitung (Upland) 328'.
279137. 'Hsinchu 55'.	279165. 'Taitung (Upland) 332'.
279138. 'Hwa-loo'.	279166. 'Taitung Woo-li'.
279139. 'I-kung-pao'.	279167. 'Taitung Woo-tsan'.
279140. 'Kao-geo Liu-chow'.	279168. 'Tien-lie'.
279141. 'Kaohsiung Ta-li-chin-yu'.	279169. 'Tsai-yuan-thon'.
279142. 'Kaohsiung 18'.	279170. 'TWA 2-2'.
279143. 'Kwai-tsan'.	279171. 'Woo-co-chin-yu'.
279144. 'Lin-sun-chin-tsan'.	279172. 'Woo-gen'.
279145. 'Liu-chow'.	279173. 'Woo-li'.
279146. 'Man-tze'.	279174. 'Ya-lun'.

**279175. PENNISETUM (hybrid). Poaceae.**

From China. Cuttings presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received February 6, 1962.

(*Pennisetum purpureum* × *P. typhoides*).

**279176. URGINEA MARITIMA (L.) Baker Liliaceae. Sea-onion.**

From the United States. Seeds presented by the Boyce Thompson Southwestern Arboretum, Superior, Ariz. Received February 6, 1962.

**279177 to 279179.**

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received February 6, 1962.

**279177. CORCHORUS ORINOCENSIS HBK. Tiliaceae.**

Col. No. 19438. In thorn forest; clay soil, 4 miles east of Navajoa, road to Alamos, Sonora. Plant wild summer annual; flowers yellow.

**279177 to 279179—Continued**

**279178.** *CROTALARIA INCANA* L. Fabaceae.

Col. No. 19590. Roadside, short tree forest. Twelve miles east of Culiacan, Sinaloa. Tree small, in wild; pods black, along branches.

**279179.** *CROTALARIA LONGIROSTRATA* Hook. & Arn.

Col. No. 19449. Short tree forest, Sanalona, Sinaloa. Wild, summer annual to 4 feet high; flowers yellow.

**279180.** *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae.  
**Leadtree.**

From India. Seeds collected by Jack R. Harlan, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 6, 1962.

Col. No. 1419. From the Agronomy Division, Indian Agricultural Research Institute, Dharwar.

**279181 and 279182.**

From the Philippines. Seeds presented by the Department of Agriculture and Natural Resources, Bureau of Plant Industry, Manila. Received Feb. 6, 1962.

**279181.** *CORCHORUS CAPSULARIS* L. Tiliaceae. **Jute.**

Selection No. 4. Var. Hal No. 4. Stalk purple.

**279182.** *CORCHORUS OLITORIUS* L. **Jute.**

Selection No. 72. Var. F 2-5 (R). Stalk red.

**279183 and 279184.**

From India. Seeds presented by the Sugarcane Breeding Institute, Coimbatore. Received Feb. 6, 1962.

**279183.** *NARENGA PORPHYROCOMA* (Hance) Bor Poaceae.

Selfed seeds.

**279184.** *SCLEROSTACHYA FUSCA* (Roxb.) A. Camus Poaceae.

**279185.** *ENCHYLAENA TOMENTOSA* R. Br. Chenopodiaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Feb. 6, 1962.

No. V. 196. Collected at Merbein, Victoria.

**279186 and 279187.** *TRITICUM AESTIVUM* L. Poaceae.  
**Common wheat.**

From Australia. Seeds presented by Faculty of Agriculture, University of Sydney, Sydney. Received Feb. 6, 1962.

**279186.** 'Aotea 2462'. Abd 61, 966.

**279187.** 'Arawa 2461'. Abd 61, 965.

**279188 and 279189.** *CAMELLIA JAPONICA* L. Theaceae.  
**Common camellia.**

From Japan. Seeds presented by the Iwaizumi Forestry Office, Iwaizumi, Iwate Prefecture. Received Feb. 6, 1962.

**279188.** No. 1.

**279189.** No. 2.

**279190 to 279207. ZEA MAYS L. Poaceae.****Corn.**

From Colombia. Seeds presented by the Rockefeller Foundation, Medellin, to the United States Vegetable Breeding Laboratory, Charleston, S.C. Numbered Feb. 6, 1962.

P.I. No. followed by Foundation No., and source.

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| 279190. BOV. 305. Bolivia.  | 279199. ECU. 434. Ecuador.                         |
| 279191. BOV. 311. Bolivia.  | 279200. ECU. 465. Ecuador.                         |
| 279192. BOV. 360. Bolivia.  | 279201. ECU. 578. Ecuador.                         |
| 279193. BOV. 466. Bolivia.  | 279202. ECU. 598. Ecuador.                         |
| 279194. BOV. 783. Bolivia.  | 279203. ECU. 697. Ecuador.                         |
| 279195. BOV. 865. Bolivia.  | 279204. PER. 387. Peru.                            |
| 279196. BOV. 1112. Bolivia. | 279205. PER. 1017. Peru.                           |
| 279197. CHI. 454. Chile.    | 279206. PER. 1040. Peru.                           |
| 279198. ECU. 387. Ecuador.  | 279207. Sweet corn, improved<br>'Medellin' M 61 B. |

**279208. RUBUS IDAEUS var. STRIGOSUS Maxim. Rosaceae.****Common red raspberry.**

From Great Britain. Plants presented by the East Malling Research Station, East Malling, Kent, England. Received Feb. 6, 1962.

'Baumforth Seedling A'.

**279209 to 279218.**

From Great Britain. Plants purchased from Hillier & Sons, Winchester, Hampshire, England. Received Feb. 7, 1962.

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| 279209. CARYOPTERIS × CLANDONENSIS A. Simmonds      | Verbenaceae.      |
| 279210. CARYOPTERIS INCANA (Thunb.) Miquel.         | Common bluebeard. |
| 279211. CARYOPTERIS sp.                             |                   |
| 'Heavenly Blue'.                                    |                   |
| 279212. HOHERIA sp.                                 | Malvaceae.        |
| 'Glory of Amlwch'.                                  |                   |
| 279213. PIERIS FLORIBUNDA (Pursh) Benth. & Hook. f. | Ericaceae.        |
| 'Grandiflora'.                                      |                   |
| 279214. VIBURNUM ERUBESCENS var. GRACILIPES Rehder  | Caprifoliaceae.   |
| 279215. VIBURNUM GRANDIFLORUM Wall.                 |                   |
| 279216. VIBURNUM × HILLERI Stearn                   |                   |
| 'Winton'.   |                   |
| 279217. VIBURNUM HUPEHENSE Rehder                   | Hupeh viburnum.   |
| 279218. VIBURNUM (hybrid).                          |                   |
| 'Park Farm Hybrid'.                                 |                   |

**279219 to 279228.**

From the Philippines. Seeds presented by the Department of Agricultural and Natural Resources, Manila. Received Feb. 7, 1962.

- 279219 to 279226. CITRUS RETICULATA Blanco Rutaceae. Mandarin orange.

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|---------------------------|---------------------------|
| 279219. 'Ladu'.           | 279223. 'Szin-cal No. 9'. |
| 279220. 'Sunwui Kom'.     | 279224. 'Szinkom'.        |
| 279221. 'Szinbat No. 2'.  | 279225. 'Szwui Kom'.      |
| 279222. 'Szinbat No. 16'. | 279226. 'Tizon'.          |



**279219 to 279228—Continued**

279227. CITRUS (hybrid).

Received as *C. microcarpa*, calamondin.

279228. CITRUS (hybrid).

'Ladu-batangas No. 9'.

**279229 and 279230. VITIS VINIFERA L. Vitaceae.****European grape.**

From Portugal. Cuttings presented by the United States Embassy, Lisbon.  
Received Feb. 8, 1962.

279229. 'Serical' (Received as Cercial-1217).

279230. 'Terrantes' (Received as Verrantez-1223).

**279231 and 279232.**

From Mexico. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 8, 1962.

279231. *PHYSALIS NICANDROIDES* Schlecht. Solanaceae. **Groundcherry.**

Col. No. 19521. Roadside Jalisco, Nayarit. Plant annual, in wild to 1.5 meters high; stem single; crown broad, spreading to 2 meters; heavy bearer.

279232. *PHYSALIS* sp.

Col. No. 19546. Southern city limits of Guadalajara, highway to Jalisco. Plant annual, in wild; flowers pale lavender; seeds prolific, interminately, older capsules dehisce.

**279233 to 279239. COFFEA ARABICA L. Rubiaceae.****Arabian coffee.**

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 8, 1962.

279233. Col. No. 7817. Seven km. northeast of Jimma, Addis Ababa road, Kaffa Province. December 1961.

279234. Col. No. 7836. Fifteen km. north of Bonga, Jimma road, Kaffa Province. December 1961.

279235. Col. No. 7846. In rain forest across Dentcha River from Sudan Interior Mission Station, Bonga, Kaffa Province. December 1961. Shrub to 4.5 meters high; stems of some specimens 100 mm. in diameter at ground level.

279236. Col. No. 7850. Forest near Siemens Coffee Mill, 10 km. west of the Sudan Interior Mission, Bonga, Kaffa Province. December 1961.

279237. Col. No. 8001. Seven km. northwest of Tippi airstrip, Illubabor Province. January 1962.

279238. Col. No. 8013. Beside trail, between Tippi and the Baco River, Illubabor Province. Elevation 1,200 meters. January 1962. Tree in wild, 4.5 meters high.

279239. Col. No. 8097. Southeast of Walkitte, Shoa Province. January 1962. Fruit 16 mm. long by 15 mm. wide, rounded or slightly flattened, blunt on the ends.

**279240 to 279317.**

From Great Britain. Tubers presented by the Department of Botany, University of Birmingham, Birmingham, England. Received February 8, 1962.

279240 to 279247. *SOLANUM BRACHISTOTRICHUM* (Bitter) Rydb. Solanaceae.

279240. No. 1234. R 278-2.

279241. No. 1234. H 278-3.

## 279240 to 279317—Continued

## 279240 to 279247—Continued

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|----------------------------|----------------------------|
| 279242. No. 1234. H 278-4. | 279245. No. 1317. H 283-1. |
| 279243. No. 1234. H 278-5. | 279246. No. 1471. H 284-1. |
| 279244. No. 1287. H 281-1. | 279247. No. 1471. H 284-4. |

279248 to 279261. *SOLANUM BULBOCASTANUM* Dun.

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|----------------------------|----------------------------|
| 279248. No. 1565. H 213-1. | 279255. No. 1717. H 232-5. |
| 279249. No. 1565. H 213-2. | 279256. No. 1922. H 237-1. |
| 279250. No. 1617. H 230-1. | 279257. No. 1938. H 238-1. |
| 279251. No. 1617. H 230-2. | 279258. No. 1938. H 238-2. |
| 279252. No. 1617. H 230-3. | 279259. No. 1938. H 238-3. |
| 279253. No. 1717. H 232-2. | 279260. No. 1938. H 238-5. |
| 279254. No. 1717. H 232-4. | 279261. No. 1943. H 239-4. |

279262 to 279266. *SOLANUM BULBOCASTANUM* var. *DOLICHOPHYLLUM* Bitt.

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|----------------------------|----------------------------|
| 279262. No. 1628. H 240-3. | 279265. No. 1637. H 242-1. |
| 279263. No. 1632. H 241-2. | 279266. No. 1637. H 242-4. |
| 279264. No. 1632. H 241-3. |                            |

279267 to 279271. *SOLANUM CARDIOPHYLLUM* ssp. *LANCEOLATUM* Bitt.

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| 279267. No. 1640. H 259-1. | 279270. No. 1729. H 260-2. |
| 279268. No. 1640. H 259-2. | 279271. No. 1729. H 260-3. |
| 279269. No. 1729. H 260-1. |                            |

279272 to 279277. *SOLANUM EHRENBORGII* Rydb.

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|----------------------------|----------------------------|
| 279272. No. 1458. H 265-2. | 279275. No. 1462. H 267-2. |
| 279273. No. 1458. H 265-4. | 279276. No. 1462. H 267-3. |
| 279274. No. 1462. H 267-1. | 279277. No. 1462. H 267-4. |

279278 and 279279. *SOLANUM JAMESII* Torr.

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| 279278. No. 1152. H 286-1. |
| 279279. No. 1517. H 293-3. |

279280 to 279284. *SOLANUM POLYTRICHON* Rydb.

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| 279280. No. 1465. H 387-1. | 279283. No. 1465. H 387-5. |
| 279281. No. 1465. H 387-3. | 279284. No. 1465. H 387-7. |
| 279282. No. 1465. H 387-4. |                            |

279285 to 279292. *SOLANUM TUBEROSUM* L.

Potato.

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|--------------------------|--------------------------|
| 279285. No. 1303. H 412. | 279289. No. 1858. H 422. |
| 279286. No. 1550. H 416. | 279290. No. 1860. H 423. |
| 279287. No. 1670. H 419. | 279291. No. 1861. H 424. |
| 279288. No. 1787. H 420. | 279292. No. 1874. H 425. |

279293 to 279296. *SOLANUM VALLIS-MEXICAE* Juz.

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|----------------------------|----------------------------|
| 279293. No. 1672. H 406-1. | 279295. No. 1672. H 406-3. |
| 279294. No. 1672. H 406-2. | 279296. No. 1672. H 406-4. |

279297 to 279301. *SOLANUM VERRUCOSUM* Schlecht.

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|----------------------------|----------------------------|
| 279297. No. 1375. H 336-1. | 279300. No. 1545. H 344-5. |
| 279298. No. 1375. H 336/1. | 279301. No. 1545. H 344-6. |
| 279299. No. 1375. H 336/2. |                            |

**279240 to 279317—Continued**

279302. SOLANUM sp.

No. 1714. H 315/4. May be a new species.

279303. SOLANUM sp.

No. 1443. H 272/1. May be *S. ehrenbergii*.

279304. SOLANUM sp.

No. 1443. H 272/2. May be *S. ehrenbergii*.

279305. SOLANUM sp.

No. 1443. H 272/3. May be *S. ehrenbergii*.

279306. SOLANUM sp.

No. 1473. H 378-1. May be *S. papita*.

279307. SOLANUM sp.

No. 1473. H 378-2. May be *S. papita*.

279308. SOLANUM sp.

No. 1468. H 390-2. May be *S. polytrichon*.

279309. SOLANUM sp.

No. 1468. H 390-3. May be *S. polytrichon*.

279310. SOLANUM sp.

No. 1468. H 390-4. May be *S. polytrichon*.

279311. SOLANUM sp.

No. 1468. H 390-5. May be *S. polytrichon*.

279312. SOLANUM sp.

No. 1580. H 404-3. May be *S. stoloniferum*.

279313. SOLANUM sp.

No. 1677. H 408-1. May be *S. vallis-mexicae*.

279314. SOLANUM sp.

No. 1677. H 408-3. May be *S. vallis-mexicae*.

279315. SOLANUM sp.

No. 1345. H 348-2. May be *S. verrucosum*.

279316. SOLANUM sp.

No. 1350. H 349-2. May be *S. verrucosum*.

279317. SOLANUM sp.

No. 1350. H 349-3. May be *S. verrucosum*.

**279318 and 279319.**

From the Sudan. Seeds presented by the Cotton Breeding Station, Shambat. Khartoum. Received Feb. 12, 1962.

279318. GOSSYPIOIDES BREVILANATUM Hoch. Malvaceae.

279319. THESPESIA DANIS Oliver Malvaceae.

**279320 to 279341.**

From France. Scions presented by the Station de Recherches de Viticulture, Angers. Received Feb. 13, 1962.

279320 to 279326. MALUS SYLVESTRIS Mill. Malaceae.

279320. 'Allen's Everlasting'  $\times$  1275.

279321. 'D'Arcy Spice'  $\times$  1304.



**279320 to 279341—Continued****279320 to 279326—Continued**

279322. 'Margil'  $\times$  1330.  
 279323. 'Pitmaston Pineapple'  $\times$  692.  
 279324. 'Reinette d'Orleans'  $\times$  1345.  
 279325. 'Reine des Reinettes'  $\times$  82.  
 279326. 'Reine des Reinettes'  $\times$  1700.

**279327 to 279341. PYRUS COMMUNIS L. Malaceae.**

279327. 'Baronne Leroy' P. 969.  
 279328. 'Bergamotte Tardive de Ganzel' P. 979.  
 279329. 'Beurre Henri Courcelle' P. 1190.  
 279330. 'Beurre Perrault' P. 138.  
 279331. 'Butirra Precoce Morettini' P. 850.  
 279332. 'Butirra Roma Pirovano' P. 1274.  
 279333. 'Des Urbanistes' P. 716.  
 279334. 'Epargne' P. 209.  
 279335. 'Esperen's Herrepaere' P. 876.  
 279336. 'Itala Pirovano' P. 1263.  
 279337. 'Passe Crassane Sanguine' P. 1459.  
 279338. 'Precoce de Trevoux' P. 124.  
 279339. 'President Drouard' P. 97.  
 279340. 'Wilder' P. 116.  
 279341. 'Williams Precoce Morettini' P. 1360.

**279342 to 279345. CARTHAMUS TINCTORIUS L. Asteraceae.****Safflower.**

From Japan. Seeds presented by the Yamagata University, Tsuruoka. Received Feb. 13; 1962.

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|--------------------------|--------------------------|
| 279342. Yamagata Sel. 1. | 279344. Yamagata Sel. 3. |
| 279343. Yamagata Sel. 2. | 279345. Yamagata Sel. 4. |

**279346. CRAMBE HISPANICA L. Brassicaceae.**

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 13, 1962.

Col. No. 7979. Among cultivated coffee, Jimma Agricultural Farm, Kaffa Prov.

**279347 to 279350. VITIS VINIFERA L. Vitaceae. European grape.**

From Italy. Cuttings presented by the Istituto di Frutticoltura e di Eletro-genetica, Rome. Received Feb. 13, 1962.

279347. 'Corniola di Milazzo' (Gallura Zeni).  
 279348. 'Dalmasso VI'.  
 279349. 'Moscato Del Adda'.  
 279350. 'Olivetta Nera Pulliat'.

**279351. FRAGARIA ORIENTALIS A. Los. Rosaceae.**

From Great Britain. Seeds presented by the John Innes Institute, Bayfordbury, Hertford, England. Received Feb. 14, 1962.

**279352 to 279356. SOLANUM TUBEROSUM L. Solanaceae. Potato.**

From Japan. Tubers presented by the Shimamatsu Potato Breeding Laboratory, Hokkaido National Agricultural Experiment Station, Eniwa, Hokkaido. Received Feb. 15, 1962.

Haploid ( $2n=24$ ).

279352. 'Hochprozentige', JSH-6.

279353. 'Merkur', JSH-10.

279354. 'Norin No. 1', JSH-1.

279355. 'Rural New Yorker No. 2', JSH-11.

279356. 'Tuno', JSH-12.

**279357 to 279363. HORDEUM VULGARE L. Poaceae.**

From Great Britain. Seeds presented by the Plant Breeding Institute Trumpington, Cambridge, England. Received Feb. 15, 1962.

279357. HB. 196/10/5.

279361. 'Proctor'.

279358. HB. 281/6/5/9.

279362. 'Swallow'.

279359. 'Maythorpe'.

279363. 'Union'.

279360. 'Plumage Archer'.

**279364. MEDICAGO HEMICYCLA Grossh. Fabaceae.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Feb. 15, 1962.

C.P.I. 23872.

**279365. ZIZYPHUS MAURITIANA Lam. Rhamnaceae.**

**Indian jujube.**

From Burma. Seeds presented by the United States Embassy, Rangoon. Received from Mandalay Feb. 15, 1962.

**279366 to 279373.**

From the United States. Selections made from previous accessions at the Regional Plant Introduction Station, Geneva, N.Y. Numbered Feb. 16, 1962.

279366. CUCUMIS MELO var. FLEXUOSUS (L.) Naud. Cucurbitaceae.

**Snake melon.**

Selection from P.I. 175111, from India. Plants medium vigor and maturity; fruits seven to 18 inches long, 3 to 5 inches diameter, oblong, yellow, ribbed, not netted; flesh cream colored, poor quality. Resistant to mosaic, downy mildew, macrosporium.

279367. CUCUMIS MELO var. RETICULATUS Naud.

**Netted melon.**

Selection from P.I. 179676, from India. Plants very vigorous, early maturing; fruits to 7 by 7 inches, round or nearly so, yellow ribbed, netted; flesh orange, fair quality. Resistant to downy mildew, susceptible to macrosporium leafspot and powdery mildew, very susceptible to mosaic and bacterial wilt.

279368 to 279372. LYCOPERSICON ESCULENTUM var. CERASIFORME (Dun.) A. Gray Solanaceae.

**Tomato.**

279368. Selection from P.I. 195325, from Guatemala. Plants very vigorous, semi-erect to erect; fruits late maturing, globose, 0.75 to 1.25 by 0.75 to 1.5 inches, two-loculed; flesh red. Susceptible to fusarium wilt, stemphylium, early blight and mosaic; resistant to anthracnose.

**279366 to 279373—Continued****279368 to 279372—Continued**

**279369.** Selection from P.I. 109113, from Turkey. Plants vigorous; fruits 10 per cluster, early maturing, globose, one inch in diameter, two-loculed. Susceptible to fusarium wilt, early blight and stemphylium; resistant to anthracnose and mosaic.

**279370.** Selection from P.I. 140415, from Iran. Plants vigorous, semi-erect; fruits 3 to 6 per cluster, midseason, 1.5 inches globe, three-loculed; flesh red. Susceptible to fusarium wilt, early blight, stemphylium and mosaic; resistant to anthracnose.

**279371.** Selection from P.I. 185685, from Guatemala. Plants vigorous, semi-erect; fruit midseason, 1 per cluster, globe 1.5 inch diameter, two-loculed; flesh red. Susceptible to fusarium wilt, early blight, stemphylium and mosaic. Resistant to anthracnose.

**279372.** Selection from P.I. 195323, from Guatemala. Plants very vigorous, semi-erect; fruits 5 to 7 per cluster, early 0.75 inch globe, three to four-loculed; flesh red. Susceptible to fusarium wilt, early blight, stemphylium and mosaic; resistant to anthracnose.

**279373. LYCOPERSICON PIMPINELLIFOLIUM (Jusl.) Mill. Currant tomato.**

Selection from P.I. 195325, from Guatemala. Plants vigorous, semi-erect; fruits 2 to 6 per cluster, late maturing 0.75 globe, two-loculed; flesh red. Susceptible to early blight and mosaic; resistant to fusarium wilt, stemphylium and anthracnose.

**279374. POPULUS (hybrid). Salicaceae.**

From Italy. Cuttings presented by the Unione Fiammiferi Spa-Rutignano, Pisano. Received Feb. 19, 1962.

Clone I 488.

**279375. ORYZA SATIVA L. Poaceae.****Rice.**

From France. Seeds presented by the Station de Selection de Plantes de Grande Culture, Coulommiers. Received Feb. 19, 1962.

'Carola'.

**279376 to 279382.**

From Great Britain. Plants purchased from the Richmond Nurseries, Windlesham, Surrey, England. Received Feb. 19, 1962.

**279376. MAGNOLIA GRANDIFLORA f. LANCEOLATA (Ait.) Rehder** Magnoliaceae.

Received as *M. grandiflora exoniensis*.

**279377. MAGNOLIA MOLLICOMATA W. W. Sm.**

**279378. MAGNOLIA SIEBOLDII K. Koch**

**Oyama magnolia.**

**279379. MAGNOLIA WILSONII (Finet & Gagn.) Rehder**

**Wilson magnolia.**

**279380. PYRACANTHA CRENULATA var. ROGERSIANA A. B. Jackson** Malaceae.

**279381. VIBURNUM MACROCEPHALUM Fortune** Caprifoliaceae.

**Chinese viburnum.**

**279382. VIBURNUM sp.**

'Anne Russell'.

**279383. VITIS VINIFERA L. Vitaceae.****European grape.**

From Italy. Cuttings presented by the Istituto di Frutticoltura e di Eletrogenetica, Rome. Received Feb. 20, 1962.

'Manzoni 3-25' (Augusta).



**279384 to 279389.**

From Great Britain. Plants purchased from R. C. Notcutt, Limited, Woodbridge, Suffolk, England. Received Feb. 21, 1962.

279384. *MAGNOLIA WILSONII* (Finet & Gagn.) Rehder Magnoliaceae.  
Wilson magnolia.

279385. *PIERIS FORRESTII* Harrow ex W. W. Smith Ericaceae.

- 279386 and 279387. *VIBURNUM* × *BODNANTENSE* Aberconway Caprifoliaceae.

279386. No data.

279387. 'Deben'.

279388. *VIBURNUM OPULUS* L. European cranberry bush.  
'Notcutt'.

279389. *VIBURNUM TINUS* L. Laurustinus.  
'Clyde Castle'.

**279390. JARILLA CHOCOLA Standley Caricaceae.**

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 21, 1962. Col. No. 19351. San Bernardo, Sonora. Summer 1961.

**279391 and 279392.**

From Italy. Cuttings and scions presented by Arturo Ansaloni, Bologna. Received Feb. 23, 1962.

279391. *VITIS VINIFERA* L. Vitaceae. European grape.  
'Formosa' (Pirovano 245).

279392. *ULMUS PUMILA* L. Ulmaceae. Chinese elm.  
'Siber-Ansalon'.

**279393 to 279401.**

From Great Britain. Plants purchased from George Jackman & Son, Woking, Surrey, England. Received Feb. 27, 1962.

279393. *CARYOPTERIS* × *CLANDONENSIS* A. Simmonds Verbenaceae.  
'Kew Blue'.

279394. *CLEMATIS ARMANDI* Franch. Ranunculaceae. Armand clematis.  
'Snowdrift'.

279395. *CLEMATIS TEXENSIS* Buckl.  
'Countess of Onslow'.

279396. *HIBISCUS* sp. Malvaceae.  
'Mauve Queen'.

279397. *HIBISCUS* sp.

279398. *HIBISCUS* sp.

279399. *HOHERIA GLABRATA* Sprague & Summerhayes Malvaceae.

279400. *VIBURNUM* × *BODNANTENSE* Aberconway Caprifoliaceae.  
'Dawn'.

279401. *VIBURNUM PLICATUM* Thunb. Japanese snowball.  
'Lanarth'.

**279402 and 279403. PIERIS JAPONICA (Thunb.) G. Don Ericaceae.**

From Canada. Plants presented by Alpenglw Gardens, North Surrey, British Columbia. Received Feb. 28, 1962.

**279402.** 'Pygmaea'.

**279403.** 'Yakushimarum'.

**279404. MANGIFERA INDICA L. Anacardiaceae. Mango.**

From the Federation of Rhodesia and Nyasaland. Seeds presented by the Consulate General, Salisbury. Received March 1, 1962.

**279405 to 279409. RHODODENDRON (hybrids). Ericaceae. Azalea.**

From the United States. Plants developed by J. L. Creech, tested, and distributed from the United States Plant Introduction Station, Glenn Dale, Md. Numbered March 5, 1962.

**279405.** 'Bayou'. Plant spreading; leaves narrow-elliptic, slightly hairy, dark green; flowers 2.5 inches diameter, single, with occasional petaloid stamens, white, with occasional flakes and stripes.

**279406.** 'Green Mist'. Plant upright, spreading; leaves glossy, narrow-elliptic, glabrous; flowers 2.5 inches diameter, semidouble, white, with greenish blotch, texture heavy.

**279407.** 'Petite'. Plant broad, spreading; leaves narrow-elliptic, glabrous, dark green, medium size; flower 3 inches diameter, single, mallow purple; petals roundish, margins wavy, overlapping.

**279408.** 'Pink Ice'. Plant broad, spreading; leaves large, obovate, dull green, glabrous; flowers three inches diameter, double, mallow purple, occasional purple flakes; margins smooth; texture crisp.

**279409.** 'Whitehouse'. Plant broad, spreading; leaves large, obovate, dull green, slightly hairy; flowers 3.75 inches diameter, single, white; petals roundish, overlapping, margins somewhat wavy.

**279410 to 279446. ZEA MAYS L. Poaceae. Corn.**

From Chile. Seeds presented by the Departamento Investigacion Agricola, Santiago. Received March 3, 1962.

Originally from Estacion Experimental, "La Platina", Santiago.

**279410.** Z 9. Minnesota. Peralillo.

**279411.** Z 14. De Rulo. Pumanque.

**279412.** Z 29. Ligero. Mincha.

**279413.** Z 38. Anasquino. Putaendo.

**279414.** Z 45. Maizon. Putaendo.

**279415.** Z 60. Bulle. Pichidegua.

**279516.** Z 67. Amarillo. Sta. Cruz.

**279417.** Z 68. Amarillo. Chepica.

**279418.** Z 70. Amarillo. Pichidegua.

**279419.** Z 72. Minnesota. Peumo.

**279420.** Z 90. Amarillo Grande. Quilpue.

**279421.** Z 102. Choclero. Colina.

**279422.** Z 152. Chinoco.

**279423.** Z 153. Camelia.

**279424.** Z 195. Hibrido. San Carlos.

**279425.** Z 208. Parral.

**279410 to 279446—Continued**

279426. Z 223. Minnesota. Villa Alegre, Linares.  
 279427. Z 226. Amarillo Grande. Talca.  
 279428. Z 241. Minnesota. Buin.  
 279429. Z 254. Polvora Amarillo. La Florida, Colombia.  
 279430. Z 257. Camelia. El Monte.  
 279431. Z 260. Minnesota. El Marco.  
 279432. Z 272. Minnesota. Melipilla.  
 279433. Z 274. Choclero. Melipilla.  
 279434. Z 284. De Rulo. Alhue.  
 279435. Z 291. Alhue.  
 279436. Z 294. Alhue.  
 279437. Z 298. Amarillo. Alhue.  
 279438. Z 300. Erisota. Alhue.  
 279439. Z 301. Sgrio. Alhue.  
 279440. Z 305. Camelia. Alhue.  
 279441. Z 322. Choclero. Penaflor.  
 279442. Z 327. Minnesota. Penaflor.  
 279443. Aculeano. Hospital.  
 279444. 4193. Hibrido comercial, Santiago.  
 279445. Hibrifén Stgo. No. 2, Santiago.  
 279446. Hibrifén Chillan No. 2, Santiago.

**279447. MALUS SYLVESTRIS Mill. Malaceae.**

From France. Scions presented by the Station de Recherches d'Arboriculture et d'Oenologie, Belle-Beille, Angers. Received Mar. 2, 1962.

'Ingrid Marie'.

**279448. POPULUS DELTOIDES Marsh. Salicaceae.**

**Southern cottonwood.**

From Belgium. Cuttings presented by the Institut of Populiculture, Grammont. Received Mar. 6, 1962.

**279449 to 279454.**

From Great Britain. Seeds presented by Gartons Limited, Warrington, England. Received Mar. 7, 1962.

279449 and 279450. AVENA SATIVA L. Poaceae. Common oats.

279449. 'Max'.

279450. 'Supreme'. Seeds dark brown.

279451 to 279454. TRITICUM AESTIVUM L. Poaceae. Common wheat.

279451. 'Atle'. 279453. 'Koga II'.

279452. 'Jufy I'. 279454. 'Ritchie'.

**279455 to 279469.**

From Japan. Seeds presented by the Japanese Seed Grower's Cooperatives, Tokyo. Received Mar. 7, 1962.

279455 to 279462. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae.  
 Watermelon.

Seeds small, dark.

279455. 'Shinmiyako', Strain I.



**279455 to 279469—Continued****279455 to 279462—Continued**

- 279456. 'Shinmiyako', Strain II.
- 279457. 'Shinmiyako', Strain III.
- 279458. 'Shinyamato', Strain II.
- 279459. 'Shinyamato', Strain III.
- 279460. 'Yamato-cream', Strain I.
- 279461. 'Yamato-cream', Strain II.
- 279462. 'Yamato-cream', Strain III.

**279463 to 279469.** CUCUMIS SATIVUS L. Cucurbitaceae.

**Cucumber.**

- 279463. 'Chojitsu-ochiai'. F<sub>1</sub> Hybrid.
- 279464. 'Kaga Aonaga-fushinari'.
- 279465. 'Natsu-fushinari'.
- 279466. 'Ochiai-fushinari', Strain I.
- 279467. 'Ochiai-fushinari', Strain II.
- 279468. 'Ochiai-fushinari', Improved Strain II.
- 279469. 'Sagami-hanjiro'.

**279470.** CUCUMIS MELO L. Cucurbitaceae.

**Muskmelon.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Mar. 8, 1962.

No. 5119. 'Gruntovaja Gribovskaja'. From Moscow region.

**279471 to 279473.**

From Iran. Seeds presented by the United States Embassy, Tehran. Received Mar. 8, 1962.

**279471 and 279472.** CUCUMIS MELO L. Cucurbitaceae.

**Muskmelon.**

- 279471. 'Kharbuze Variety 1'.
- 279472. 'Kharbuze Variety 2'.

**279473.** PISTACIA VERA L. Anacardiaceae.

**Pistachio.**

**279474.** CAPSICUM sp. Solanaceae.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Mar. 8, 1962.

Creeping perennial chili I.C. 8783.

**279475.** PHASEOLUS MUNGO L. Fabaceae.

**Urd.**

From the Republic of the Congo. Seeds presented by the United States Embassy, Leopoldville. Received Mar. 8, 1962.

Originally from Angola.

**279476 to 279478.** CAJANUS CAJAN (L.) Millsp. Fabaceae.

**Pigeonpea.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Mar. 8, 1962.

- 279476. E.B. 38.
- 279477. N.P. 69.
- 279478. N.P. (W. R.) 15.

**279479 to 279481. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From Israel. Seeds presented by the Ministry of Agriculture, Rehovoth. Received Mar. 8, 1962.

279479. 'Senegal 48-7'.

279480. 'Senegal 48-21'.

279481. 'Senegal 48-44'.

**279482 to 279486.**

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Mar. 8, 1962.

279482. CERATOTHECA TRILOBA E. Mey. ex Bernh. Pedaliaceae.

279483. ROGERIA LONGIFLORA J. Gay Pedaliaceae.

Leistner & Joynt 2807. Plant erect annual growing in coarse red sand between rocks, 9 miles northeast of Kakamas, Cape Province. Elevation 2,500 feet.

279484. ASPARAGUS LARICINUS Burchell Convallariaceae.

B. de Winter 7679. From Ventersdorp District, Transvaal.

279485. ASPARAGUS PLUMOSUS Baker Fern asparagus.

B. de Winter 7680. From Pretoria garden.

279486. ASPARAGUS VIRGATUS Baker

A. A. Mauve 4119. From Middelburg District, Transvaal.

**279487 to 279490.**

From Ethiopia. Plants collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Feb. 23, 1962. Numbered Mar. 8, 1962.

279487 and 279488. ARUNDINARIA ALPINA Schum. Poaceae. Bamboo.

279487. Col. No. 7658. North-facing valleys, on outer slopes of volcano, above Lake Uanci, 25 km. south of Ambo, Shoa Province. Elevation 3,200 meters. Dec. 1961.

279488. Col. No. 7750. In a dense woodland, Badda Buna forest, 10 km. north of Jimma, Kaffa Province. Elevation 1,800 meters. Annual rainfall 190 cm. Dec. 1961.

279489. DELPHINIUM WELLBYI Hemsl. Ranunculaceae.

Col. No. 7539. Brushy slopes, Entotto mountain, behind Addis Ababa, Shoa Province. Elevation 2,500 meters. Feb. 1962. Perennial from a branched, flattened, slender rhizome; flowers deep blue, fragrant.

279490. LOBELIA GIBBEROA Hemsl. Campanulaceae.

Col. No. 8161. Shaded, north-facing slopes, in fringing forest below Seventh Day Adventist Mission, Wallega Province. Elevation 1,890 meters. Herb to 6 meters high, with milky juice throughout; inflorescence to 3 meters high; flowers greenish; stamens bluish.

**279491 to 279497. JUGLANS REGIA L. Juglandaceae.**

**Persian walnut.**

From Yugoslavia. Scions presented by United States Agency for International Development, Belgrade. Received Mar. 9, 1962.

279491. No. 6. 279495. No. 87.

279492. No. 13. 279496. No. 94.

279493. No. 22. 279497. Home (Djurdjevic).

279494. No. 74.

**279498 to 279512.**

From France. Cuttings presented by the Viticoles et d'Arboriculture Fruitiere, Pont-de-la-Maye (Gironde). Received Mar. 9, 1962.

**279498 to 279504.** *VITIS VINIFERA* L. Vitaceae.

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| <b>279498.</b> 'Cabernet Savagnin'. CL 1563. | <b>279502.</b> 'Olivette Noire'.    |
| <b>279499.</b> 'Chardonnay'.                 | <b>279503.</b> 'Savagnin Musque'.   |
| <b>279500.</b> 'Gewurtz Traminer'. CL 1634.  | <b>279504.</b> 'Semillon'. CL 1520. |
| <b>279501.</b> 'Muscat de l'Adda'.           |                                     |

**279505 to 279512.** *VITIS* (hybrids). Vitaceae.

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| <b>279505.</b> 'Bertille-Seyve 2758'. | <b>279509.</b> 'Oberlin 604'.  |
| <b>279506.</b> 'Bertille-Seyve 4825'. | <b>279510.</b> 'Seibel 11701'. |
| <b>279507.</b> 'Cauderc 71-20'.       | <b>279511.</b> 'Seibel 14655'. |
| <b>279508.</b> 'Gaillard-Girard 157'. | <b>279512.</b> 'Seibel 14676'. |

**279513 to 279521.**

From Great Britain. Plants purchased from Toynbee's Nursery Garnham, Bagnor Regis, Sussex, England. Received March 12, 1962.

**279513.** *CARYOPTERIS* × *CLANDONENSIS* A. Simmonds Verbenaceae.

**279514.** *CARYOPTERIS INCANA* (Thunb.) Miquel. Common bluebeard.

**279515.** *CARYOPTERIS TANGUTICA* Maxim. Bluebeard.

**279516.** *CARYOPTERIS* sp.

'Ferndown'.

**279517.** *CARYOPTERIS* sp.

'Kew Blue'.

**279518.** *PYRACANTHA ATALANTIOIDES* (Hance) Stapf. Malaceae.

**279519.** *PYRACANTHA* sp.

'Knaphill Lemon'.

**279520.** *PYRACANTHA* sp.

'Wateri'.

**279521.** *VIBURNUM* × *BODNANTENSE* Aberconway. Caprifoliaceae.

'Dawn'.

**279522 to 279524.** *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From India. Clumps presented by the Sugar Cane Breeding Institute, Coimbatore. Received March 12, 1962.

**279522.** SES 361.

**279523.** SES 369.

**279524.** SES 372.

**279525.** *BOUTELOUA CURTIPENDULA* (Michx.) Torr. Poaceae. **Sideoats grama.**

From Argentina. Seeds presented by the Ministry of Agriculture, Buenos Aires. Received Mar. 12, 1962.

Deip No. 21,267. Originally from Montevideo, Uruguay.



**279526 to 279534. SORGHUM BICOLOR (L.) Moench Poaceae. Sorghum.**

From the Republic of South Africa. Seeds presented by the Agricultural Technical Services, Pretoria. Received Mar. 12, 1962.

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| 279526. PS. 142. 'Bechuanaland'.    | 279531. PS. 217. 'Hegari 499'.      |
| 279527. PS. 210. 'II Vinco A'.      | 279532. PS. 218. 'Herman Hattingh'. |
| 279528. PS. 212. 'Barnard Red'.     | 279533. PS. 219. 'Short Swazi'.     |
| 279529. PS. 213. 'Birdproof'.       | 279534. PS. 359. 'Ramakothla'.      |
| 279530. PS. 214. 'Birdproof 338-A'. |                                     |

**279535 to 279563. SESAMUM INDICUM L. Pedaliaceae. Sesame.**

From Mexico. Seeds presented by the United States Embassy, Mexico City. From the National Institute of Agricultural Research, Mexican Ministry of Agriculture. Received Mar. 12, 1962.

<i>P.I. No.</i>	<i>Variety</i>	<i>Phenotype-grain color</i>
279535.	Instituto No. 1.	2FL-BS.
279536.	Instituto No. 3.	2FL-BS.
279537.	Instituto No. 8.	2FL-BS.
279538.	Instituto No. 9.	4SC-BS.
279539.	Instituto No. 10-3.	2FC-R.
279540.	Instituto No. 14.	343FC-BS.
279541.	Instituto No. 15.	2FL-BS.
279542.	Instituto No. 25.	4SC-BS.
279543.	Instituto No. 102.	2FC-C.
279544.	Instituto No. 104.	2FC-BS.
279545.	Instituto No. 105.	2FC-BS.
279546.	Instituto No. 108.	2FL-AP.
279547.	Instituto C4.	4SC-BS.
279548.	Instituto C14.	343FC-BS.
279549.	Instituto Cla-1-2-3.	343-FL-BS.
279550.	'Dulce'.	2FC-BS.
279551.	Regional Charro de Veracruz.	2FC-BS.
279552.	Regional Coahuilote.	2FC-BS.
279553.	Regional Criollo de Veracruz.	2SC-BS.
279554.	'Guerrero'.	2FC-BS.
279555.	Regional Canasto.	2FC-BS.
279556.	Regional Pachequeno.	2FC-BS.
279557.	Regional Sinaloa No. 1.	2FC-BS.
279558.	Regional Sinaloa No. 2.	2FC-BS.
279559.	Criollo Seleccion. 8 Carreras.	4SC-BS.
279560.	Regional Soyate de Sinaloa.	2FC-BS.
279561.	'Tehautepec I'.	2SC-(CyB).
279562.	'Tehautepec II'.	2SC-(CyB).
279563.	'Tehautepec III'.	2FC-BS.

**279564. CYAMOPSIS SERRATA Schinz Fabaceae.**

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Mar. 12, 1962.

B. de Winter 7678. From Kimberley, Cape Province.

**279565 to 279568.**

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Ames, Iowa. Numbered Mar. 12, 1962.

**279565 to 279567. LYCOPERSICON ESCULENTUM Mill. Solanaceae.**

**Tomato.**

**279565.** 'Caro Red'. From Purdue University. Carries genes B and  $mo_B^+$  in BB and  $mo_B^+ mo_B^+ mo_B^+$  combination.

**279566.** P. A. Young SV 616C. From Tomato Disease Laboratory, Jacksonville, Texas. Carries gene Lc. It is a special selection of San Marzano, carrying strong resistance to heat sterility.

**279567.** 'Pearl Harbor'. Originally from Ferry-Morse Seed Co. Carries wilt gene  $Sw_1^a$ , homozygous.

**279568. LYCOPERSICON PIMPINELLIFOLIUM (Jusl.) Mill. Solanaceae.**

**Currant tomato.**

P. A. Young SR 1234E. From Tomato Disease Laboratory, Jacksonville, Texas. Carries gene Lc. Improved selection with early season resistance to *Sclerotinia rolfsii*.

**279569. MEDICAGO SATIVA L. Fabaceae.**

**Alfalfa.**

From Spain. Seeds presented by the Ministry of Agriculture, Madrid. Received Mar. 12, 1962.

'Aragon'.

**279570 to 279579.**

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei. Received Mar. 12, 1962.

**279570. ASTRAGALUS SINICUS L. Fabaceae.**

**Chinese milkvetch.**

F11.

**279571. CROTALARIA LANCEOLATA E. Mey. Fabaceae.**

E20.

**279572. CROTALARIA USARAMOENSIS Baker f.**

E19.

**279573. DESMODIUM OVALIFOLIUM Guill. & Perr. Fabaceae.**

C34.

**279574. DOLICHOS BIFLORUS L. Fabaceae.**

**Twinflower dolichos.**

E88.

**279575. GLYCINE KOIDZUMII Ohwi Fabaceae.**

E53.

**279576. INDIGOFERA TINCTORIA L. Fabaceae.**

**True indigo.**

C85.

**279577 and 279578. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Mimosa-ceae.**

**Leadtree.**

**279577.** C32.

**279578.** C82.

**279579. PHASEOLUS CALCARATUS Roxb. Fabaceae.**

**Rice bean.**

E12.

**279580 to 279592.**

From Japan. Cuttings presented by National Horticultural Experiment Station, Okitsu, Shizuoka. Received Mar. 12, 1962.

**279580.** *DIOSPYROS* L. Diospyraceae.

**Kaki persimmon.**

'Suruga'. ('Hanagosho' × 'Okugosho').

Tree vigorous, slightly spreading, productive. Bears no staminate flowers. Fruit large, roundish-oblate, resembling 'Hanagosho'; skin brilliant, orange-red; flesh light orange with a very few small tannin specks; sweet, texture fine. Fruits begin ripening middle of November; will hang without softening until late November; can be stored until late December.

**279581 to 279592.** *VITIS VINIFERA* L. Vitaceae.

**European grape.**

**279581.** 'Bailey Alicante'.

**279587.** 'Muscat Bailey B'.

**279582.** 'Black Queen'.

**279588.** 'Neo-Muscat'.

**279583.** 'Koshu'.

**279589.** 'Red Millennium'.

**279584.** 'Koshu Sanjaku'.

**279590.** 'Rose Queen'.

**279585.** 'Kyoho'.

**279591.** 'Semillon'.

**279586.** 'Muscat Bailey A'.

**279592.** 'Taka Sago'.

**279593 to 279599.**

From the Philippines. Seeds presented by the Department of Agriculture and Natural Resources, Manila. Received Mar. 12, 1962.

**279593.** *CANAVALIA ENSIFORMIS* (L.) DC. Fabaceae.

**Jackbean.**

Collected at La Granja, La Carlota, Negros Occidental. Grown as a cover crop, for green manure, and for hay; seeds are used as a protein supplement in poultry feed.

**279594.** *CENTROSEMA PUBESCENS* Benth. Fabaceae.

Collected at La Granja, La Carlota, Negros Occidental. Grown as a pasture crop and for hay.

**279595.** *CALOPOGONIUM MUCUNOIDES* Desv. Fabaceae.

Collected at La Carlota Stock Farm, Negros Occidental. Grown as cover crop, for green manure, and in soil erosion control. Has limited pasture use.

**279596.** *CENCHRUS CILIARIS* L. Poaceae.

**Buffelgrass.**

From the College of Agriculture, University of the Philippines. Pasture grass.

**279597.** *PENNISETUM ORIENTALE* L. C. Rich. Poaceae.

From the College of Agriculture, University of the Philippines. Grown as pasture grass, for silage, silage and hay.

**279598.** *PENNISETUM SETOSUM* (Swartz) L. C. Rich.

From the Economic Garden. Grown for silage and silage.

**279599.** *STYLOSANTHES SUNDAICA* Taub. Fabaceae.

From the Grassland Farm, San Miguel, Bulacan. Grown as pasture and for hay.

**279600 to 279605.**

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received Mar. 12, 1962.

**279600.** *PHASEOLUS LATHYROIDES* L. Fabaceae.

E22.

**279601.** *SESBANIA SESBAN* (L.) Merr. Fabaceae.

E8.



**279600 to 279605—Continued**

279602. *STIZOLOBIUM ATERRINUM* Piper & Tracy Fabaceae. Velvetbean.  
E80.
279603. *STYLOSANTHES GUYANENSIS* (Aubl.) Swartz Fabaceae.  
C29.
279604. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. Fenugreek.  
E90.
279605. *VIGNA REPENS* Baker Fabaceae.  
E48.

**279606 to 279611. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.**

From Greece. Seeds presented by the Hellenic Agricultural Research Institute, Larissa. Received Mar. 13, 1962.

279606. M-4727. 'Flamande'.  
279607. M-4728. 'd'Harmignies'.  
279608. M-4730. 'du Poitu'.  
279609. M-4732. 'de Kayseri'.  
279610. M-4735. 'd'Autriche'.  
279611. M-7437. Local, Iamia, varieties.

**279612 and 279613. *AVENA SATIVA* L. Poaceae. Common oats.**

From Great Britain. Seeds presented by the Welsh Plant Breeding Station, near Aberystwyth, Wales. Received Mar. 13, 1962.

279612. S. 227. 'Pennant'. Winter type.  
279613. S. 236. 'Maelor'. Spring type.

**279614 to 279628. *ARACHIS HYPOGAEA* L. Fabaceae. Peanut.**

From the Republic of Upper Volta. Seeds presented by the Institut de Recherches Pour les Huiles et Oleagineux, Niangoloko. Received Mar. 13, 1962.

- Plants semi-erect, or 2-seeded with a pink seed coat; maturing in 140 to 150 days. Rosette-resistant selections.
279614. No. 1031. Average pod yield per plant 35.2 grams; shells 71.7 percent; seeds weigh 25.2 grams; beak weak or absent; dorsal waist medium.
279615. No. 1033. Average pod yield per plant 26.8 grams; shells 65.7 percent; seeds weigh 17.6 grams; beak strong; waist pronounced.
279616. No. 1034. Average pod yield per plant 29.6 grams; shells 72.0 percent; seeds weigh 21.3 grams; beak weak or absent; dorsal waist medium.
279617. No. 1036. Average pod yield per plant 37.3 grams; shells 71.0 percent; seeds weigh 26.4 grams; beak weak or absent; dorsal waist medium.
279618. No. 1037. Average pod yield per plant 28.9 grams; shells 72.0 percent; seeds weigh 20.8 grams; beak medium; dorsal waist medium.
279619. No. 1040. Average pod yield per plant 29.7 grams; shells 70.2 percent; seeds weigh 20.8 grams; beak medium; dorsal waist medium.
279620. No. 1041. Average pod yield per plant 38.6 grams; shells 69.3 percent; seeds weigh 26.7 grams; beak medium; dorsal waist weak.
279621. No. 1042. Average pod yield per plant 36.9 grams; shells 72.7 percent; seeds weigh 26.8 grams; beak medium; dorsal waist weak.
279622. No. 1046. Average pod yield per plant 28.0 grams; shells 70.6 percent; seeds weigh 19.7 grams; beak medium; dorsal waist medium.

**279614 to 279628—Continued**

**279623.** No. 1047. Average pod yield per plant 32.1 grams; shells 72.0 percent; seeds weigh 23.1 grams; beak weak or absent; dorsal waist medium.

**279624.** No. 1050. Average pod yield per plant 34.4 grams; shells 65.5 percent; seeds weigh 22.5 grams; beak weak or absent; dorsal waist medium.

**279625.** No. 1052. Average pod yield per plant 26.6 grams; shells 65.9 percent; seeds weigh 17.5 grams; beak strong; dorsal waist medium or weak.

**279626.** No. 1171. Average pod yield per plant 31.7 grams; shells 70.1 percent; seeds weigh 22.2 grams; beak weak or absent; dorsal waist medium.

**279627.** No. 1172. Average pod yield per plant 36.9 grams; shells 71.8 percent; seeds weigh 26.4 grams; beak medium; dorsal waist weak.

**279628.** No. 1173. Average pod yield per plant 32.2 grams; shells 71.6 percent; seeds weigh 23.0 grams; beak medium; dorsal waist medium.

**279629 to 279640.**

From Ireland. Plants purchased from Slieve Donard Nursery Company, New Castle, County Down. Received Mar. 13, 1962.

**279629.** *LEUCOTHOE* sp. Ericaceae.

Received as *L. rollinsonii*.

**279630.** *MAGNOLIA WILSONII* (Finet & Gagn.) Rehder Magnoliaceae.  
Wilson magnolia.

**279631.** *MAGNOLIA* sp.

Received as *M. ferruginea*.

**279632.** *MAGNOLIA* sp.

Received as *M. undulata*.

**279633.** *PIERIS FORRESTII* Harrowex W. W. Smith Ericaceae.

No. 2751–27401.

**279634 and 279635.** *VIBURNUM CARLESII* Hemsl. Caprifoliaceae.  
Fragrant viburnum.

**279634.** 'Aurora'.

**279635.** 'Charis'.

**279636.** *VIBURNUM FRAGRANS* Bunge  
'Roseum'.

**279637.** *VIBURNUM GRANDIFLORUM* Wall.

**279638.** *VIBURNUM HUPEHENSE* Rehder Hupeh viburnum.

**279639.** *VIBURNUM PLICATUM* Thunb. Japanese snowball.  
'Grandiflorum'.

**279640.** *VIBURNUM PLICATUM* f. *TOMENTOSUM* (Thunb.) Rehder  
'Rowallana'.

**279641 and 279642.**

From Germany. Seeds presented by the Botanischer Garten und Museum, Berlin. Received Mar. 13, 1962.

**279641.** *AGROPYRON JUNCHEUM* (L.) Beauv. Poaceae.

No. 8.

**279642.** *AGROPYRON SIBIRICUM* (Willd.) Beauv. Siberian wheatgrass.

No. 8.

**279643 to 279646. MALUS SYLVESTRIS Mill. Malaceae.**

From the Netherlands. Scions presented by the Instituut voor de Verdeling van Tuinbouwgewassen, Wageningen. Received Mar. 13, 1962.

279643. 'Cox's Orange Pippin' × 'Golden Delicious'. Z7-4 5011-7.

279644. 'Cox's Orange Pippin' × 'Golden Delicious'. Z7-1 5011-18.

279645. 'Golden Delicious' × 'Ingrid Marie'.

279646. 'James Grieve' × 'Irish Peach'.

**279647. BROMUS INERMIS Leyss. Poaceae. Bromegrass.**

From Canada. Seeds presented by the Department of Agriculture Research Station, Saskatoon, Saskatchewan. Received Mar. 14, 1962.

Strain S-5054. Selection from the reduced creeping type and more restricted in the degree of creeping than 'Parkland' and higher in forage and seed production.

**279648. GLYCINE MAX (L.) Merrill Fabaceae. Soybean.**

From Canada. Seeds presented by the Department of Agriculture Experiment Station, Harrow, Ontario. Received Mar. 14, 1962.

'Hardome'. A backcross of ('Mandarin' × 'Harrow') × 'Mandarin'. Plant upright, white pubescent; flowers purple; pods light brown; seeds ovoid, medium to large; hilum gray.

**279649 and 279650. LESQUERELLA FENDLERI Wats. Brassicaceae.**

From the United States. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Mar. 15, 1962.

279649. Gentry No. 19244. A. 14581. Collected in Texas.

279650. Barclay No. 998. A. 14877. Collected in New Mexico.

**279651 and 279652. DIGITARIA DECUMBENS Stent Poaceae.**

From China. Cuttings presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received Mar. 14, 1962.

279651. Strain A-24.

279652. 'Nelspruit' Strain A-82.

**279653 to 279655. JUGLANS REGIA L. Juglandaceae.**

**Persian walnut.**

From Hungary. Trees presented by the United States Legation, Budapest. Received Mar. 15, 1962.

279653. Type E-1.

279654. Type T-10.

279655. Type T56.

**279656. OXYTENANTHERA ABYSSINICA (A. Rich.) Munro Poaceae. Bamboo.**

From Ethiopia. Seeds collected and presented by W. W. Fager, Bureau of Reclamation, Water Resources Department, Blue Nile Basin Studies, Addis Ababa. Received Mar. 15, 1962.

Beles River Basin, 75 miles southeast of Lake Tana, Gojjam Province.

**279657. DIGITARIA PENTZII Stent Poaceae.**

From the British West Indies. Seeds presented by the Imperial College of Tropical Agriculture, Trinidad. Received in 1959. Numbered Mar. 15, 1962.

SR 908. Originally from Pretoria.



**279658 to 279671. PENNISETUM SPICATUM (L.) Willd. Poaceae.  
Pearl millet.**

From India. Seeds presented by The Rockefeller Foundation, New Delhi. Received Mar. 15, 1962.

- |                                  |                                  |
|----------------------------------|----------------------------------|
| 279658. I.P. No. 49. R.S.J.      | 279665. I.P. No. 60. Cumbu Co.3. |
| 279659. I.P. No. 51. Baroda 5.   | 279666. I.P. No. 62. Bajra L.2.  |
| 279660. I.P. No. 52. A.1/3.      | 279667. I.P. No. 65. A.F. 3.     |
| 279661. I.P. No. 53. S.530.      | 279668. I.P. No. 72. S 14.       |
| 279662. I.P. No. 55. T/55.       | 279669. I.P. No. 73. S.28-15-2.  |
| 279663. I.P. No. 57. Cumbu X.3.  | 279670. I.P. No. 74. Jajapuri.   |
| 279664. I.P. No. 58. Cumbu Co.1. | 279671. I.P. No. 81. E.C. 11793. |

Early Millet Ghana 1.

**279672 to 279674.**

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Mar. 15, 1962.

**279672. NYMPHAEA CAERULEA Sav. Nymphaeaceae.**

Col. No. 8069. Twenty-nine km. northeast of Jimma, Addis Ababa road, Kaffa Province. Elevation 1,720 meters. Aquatic in wild in a series of spring-fed pools 60 cm. deep; flowers mauve to blue, fragrant.

**279673. PLATYCERIUM ANGOLENSE Welw. Polypodiaceae. Fern.**

Col. No. 7995. Epiphyte on *Coffea arabica* and on trunks of large forest trees, seven km. northwest of Tippi airstrip. Elevation 1,320 meters. Clump in wild; sterile fronds erect, to 45 cm. long; fertile fronds pendulous 45 cm. long, rugose, light green.

**279674. DIAPHANANTHE FRAGRANTISSIMA (Reichb. f.) Schlect. Orchidaceae. Orchid.**

Col. No. 7904. Epiphyte on trees over a tributary of the Gojeb River, about 60 km. southwest of Jimma, on Bonga Road, Kaffa Province. Elevation 1,120 meters. Plants form large overhanging mats. Clump.

**279675 and 279676.**

From Mexico. Plants collected and presented by Morrill B. Donald, Fortin de las Flores, Vera Cruz. Received Nov. 13, 1961. Numbered Mar. 15, 1962.

**279675. POLYPODIUM ASTROLEPIS Liebm. Polypodiaceae. Fern.**

Collected from a masonry wall. Elevation 2,700 feet.

**279676. POLYPODIUM FURFURACEUM Schlect. & Cham. Fern.**

Collected from a tile roof. Elevation 2,700 feet.

**279677 to 279680.**

From Lebanon. Cuttings presented by the American University, Beirut. Received Mar. 15, 1962.

**279677. PRUNUS sp. Amygdalaceae.**

'Apricot Ajami'.

**279678 to 279680. VITIS VINIFERA L. Vitaceae. European grape.**

279678. 'Beitamouni'.

279679. 'Oubeidy'.

279680. 'Tefeifhi'.

**279681. MILTONIA sp. Orchidaceae.**

From Germany. Plant purchased from H. Wichmann, Celle. Received Mar. 15, 1962. Received as *Miltonia celle* var. *feuerwerk*.

**279682. HIBISCUS SYRIACUS L. Malvaceae. Shrub-althea.**

From Great Britain. Plants purchased from J. Cheal and Sons, Crawley, Sussex, England. Received Mar. 19, 1962.

'Spectabilis Plena'.

**279683 to 279685.**

From Great Britain. Seeds presented by the University of Cambridge, Cambridge, England. Received Mar. 19, 1962.

**279683. LACTUCA MURALIS (L.) Fresen. Cichoriaceae.**

**279684. LACTUCA PERENNIS L.**

**279685. LACTUCA VIROSA L.**

**279686 and 279687.**

From Mauritius. Seeds presented by the Department of Agriculture, Reduit. Received Mar. 19, 1962.

**279686. CROTALARIA RETUSA L. Fabaceae.**

**279687. ZIZYPHUS MAURITIANA Lam. Rhamnaceae. Indian jujube.**

**279688. BRASSICA NAPUS var. NAPOBRASSICA (L.) Reichb. Brassicaceae. Rutabaga.**

From Canada. Seeds presented by the Department of Agriculture Research Station, Nappan, Nova Scotia. Received Mar. 19, 1962.

'Ditmars Swede'.

**279689 to 279727.**

From countries indicated. Seeds held in storage at the United States Plant Introduction Station, Glenn Dale, Md. Numbered Mar. 19, 1962.

**279689 and 279690. CALENDULA OFFICINALIS L. Asteraceae. Pot-marigold.**

Seeds presented by Thompson & Morgan, England.

**279689. NU 40509.**

**279690. NU 40513.**

From Mexico.

**279691. CASSIA ALATA L. Caesalpiniaceae. Ringworm cassia.**

Col. No. 19622. Collected by H. S. Gentry, about 25 miles south of Uruapan, along road to Michoacan, December 1961 (NU 42466).

**279692. CASSIA LEPTADENIA Greenm.**

Col. No. 137. Collected by Juan Arguelles. Chorijoa, San Bernardo, Rio Mayo watershed, Sonora, Sept. 1961 (NU 42012).

**279693. CASSIA LEPTOCARPA Benth.**

Col. No. 19632. Collected by H. S. Gentry, between Magdalena and Ocotillo, Nayarit, December 12, 1962 (NU 42470).

**279694. CASSIA OCCIDENTALIS L.**

Col. No. 19552. Collected by H. S. Gentry, above Rio San Pedro, Jalisco, Nov. 1961 (NU 42447).

**279695. CROTALARIA LONGIROSTRATA Hook. & Arn. Fabaceae.**

Col. No. 19449. Collected by H. S. Gentry, Sanalona, Sinaloa, Nov. 1961 (NU 42409).

**279689 to 279727—Continued****279696. CROTALARIA sp.**

Col. No. 19494. Collected by H. S. Gentry, 18 miles south of Tepic, along road to Compostela, Nayarit, Nov. 1961 (NU 42421).

**279697. EUPHORBIA PARRYI Engelm. Euphorbiaceae.**

Col. No. 18105. Collected by H. S. Gentry, in sand hills 37 miles south of Juarez, Chihuahua, Nov. 1959 (NU 40355).

**279698. IPOMOEA PARASITICA Don Convolvulaceae.**

Col. No. 17651. Collected by H. S. Gentry, Sejaqui, Rio Mayo, Sonora, Nov. 1958 (CD 36395).

**279699. POLANISIA VISCOSA DC. Capparidaceae.**

Col. No. 17636. Collected by H. S. Gentry, Cerros del Fuerte, Sinaloa, Nov. 1958 (CD 36401).

**279700. SCHKUHRIA WRIGHTII Gray Asteraceae.**

Col. No. 18957. Collected by H. S. Gentry, Parral, Chihuahua, Oct. 1959 (NU 40357).

**279701. SESBANIA sp. Fabaceae.**

Col. No. 19586. Collected by H. S. Gentry, near Alpuyeca, Morelos, Dec. 1961 (NU 42458).

**279702. ZALUZANIA DISCOIDEA Gray Asteraceae.**

Col. No. 18088. Collected by H. S. Gentry, Rio San Juan basin, Chihuahua, Oct. 1959 (NU 40249).

From Turkey.

**279703. ANCHUSA HYBRIDA Ten. Boraginaceae.**

Karamanoglu, 22, bottom of Gubuk valley, Ankara, May 1960 (NU TU 41141).

**279704. BRIZA SPICATA Sibth. & Sm. Poaceae.**

Karamanoglu, 103, Bala, Baynam Forest, July 1960 (NU TU 41185).

**279705. CICHORIUM INTYBUS L. Cichoriaceae.**

**Chicory.**

Tosum-Karamanoglu, 227, Ankara, July 1960 (NU TU 41250).

**279706. SIDERITIS MONTANA L. Menthaceae.**

Ekren-Sezen, 73, Ankara, May 1960 (NU TU 41168).

From the United States.

**279707. BIFORA AMERICANA Benth. & Hook. f. ex S. Wats. Apiaceae.**

Col. No. 785. Collected by A. S. Barclay and R. E. Perdue, junction of U.S. Highway No. 183 and Texas Highway No. 29, Williamson Co., June 1960 (NU 40924).

**279708. AMBLYOLEPIS SETIGERA DC. Asteraceae.**

Col. No. 708. Collected by A. S. Barclay, Uvalde, Texas, April 1960 (NU 40815).

**279709. CASSIA BONARIENSIS Colla Caesalpiniaceae.**

Collected by F. A. Quinones, New Mexico State University, University Park (NU 42214).

**279710. COMANDRA PALLIDA DC. Santalaceae.**

Col. No. 828. Collected by A. S. Barclay and R. E. Perdue, Palo Duro Canyon, Randall Co., Texas, June 1960 (NU 40954).

**279711. DAUCUS PUSILLUS Michx. Apiaceae.**

Col. No. 736. Collected by A. S. Barclay and R. E. Perdue, Fulshear, Ft. Bend Co., Texas, May 1960 (NU 40878).



## 279689 to 279727—Continued

279712. *DRACOPIS AMPLEXICAULIS* (Vahl) Cass. Apiaceae.

Col. No. 758a. Collected by A. S. Barclay and R. E. Perdue, near Victoria, Victoria Co., Texas, June 1960 (NU 40898).

279713. *HELICHRYSUM BRACTEATUM* Andr. Asteraceae.

Collected by Q. Jones, Beltsville, Md., July 1960 (NU 40836).

279714. *HIBISCUS SYRIACUS* L. Malvaceae. Shrub-althea.

Collected by Q. Jones, Beltsville, Md., Sept. 1960 (NU 40985).

279715. *IPOMOEA* sp. Convolvulaceae.

Col. No. 18428. Collected by H. S. Gentry, near Mercedes, Hidalgo County, Texas, March 1960 (NU 40798).

279716. *LAPPULA REDOWSKII* Greene Boraginaceae.

Col. No. 824. Collected by A. S. Barclay and R. E. Perdue, Palo Duro Canyon, Randall County, Texas, June 1960 (NU 40950).

279717 and 279718. *LUNARIA ANNUA* L. Brassicaceae.

279717. Purchased from Harry Saier, Dimondale, Mich., 1960 (NU 40468).

279718. Purchased from Herbst Bros., N.Y., 1958 (CD 32936).

279719. *MARSHALLIA CAESPITOSA* Nutt. ex DC. Asteraceae.

Col. No. 740. Collected by A. S. Barclay and R. E. Perdue, between Houston and Galveston, Texas, May 1960 (NU 40882).

279720. *MERCURIALIS ANNUA* L. Euphorbiaceae.

CD 27203. Feb. 1958.

279721. *PENSTEMON SPECTABILIS* Thunb. Scrophulariaceae.

Collected by H. S. Gentry, Anza, Calif., Sept. 1959 (CD 40174).

279722. *SALVIA TEXANA* (Sheele) Torr. Menthaceae.

Collected by A. S. Barclay and R. E. Perdue, near Austin, Travis Co., Texas, June 1960 (NU 40914).

279723. *SELENIA GRANDIS* Martin Brassicaceae.

Col. No. 706. Collected by A. S. Barclay, Crystal City, Dimmit Co., Texas, April 1960 (NU 40813).

279724. *THALICTRUM DIPTEROCARPUM* Franch. Ranunculaceae.

Yunnan meadowrue.

Purchased from Herbst Bros., N.Y. (NU 40631).

279725. *THALICTRUM POLYCARPUM* Watts.

Col. No. 16697. Collected by H. S. Gentry, 5 miles south of Temecula, road to Pala, Calif., June 1957 (CD 19129).

279726. *VALERIANA OFFICINALIS* L. Valerianaceae.

Collected by Q. Jones, Beltsville, Md., May 1959 (CD 40022).

279727. *VERONICA SPICATA* L. Scrophulariaceae.

Spike speedwell.

Collected by Q. Jones, Beltsville, Md., July 1959 (CD 40135).

279728. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.

From Canada. Seeds presented by the Horticultural Experiment Station, Vineland, Ontario. Received Mar. 19, 1962.

'Early Harkness'. Seed from commercial source.

**279729 to 279736.**

From Canada. Seeds presented by the Horticultural Experiment Station, Vineland, Ontario, the place of origin of all varieties listed. Received Mar. 19, 1962.

**279729. ASPARAGUS OFFICINALIS L. Convallariaceae. Garden asparagus.**

'Viking'. Original stock 'Mary Washington', which it most closely resembles. Plant vigorous, heavy yielder, large; spears slightly paler green than 'Mary Washington'; considerable resistance to rust; general adaptation.

**279730. CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.**

'Vinedale'. 'Harris Early Giant' × 'Sunnybrook'. Most nearly resembles 'Harris Early Giant'. Plant relatively small, early, productive; fruit good size; walls thick. Adapted to short seasons in north.

**279731. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**  
'V-548'.

**279732 to 279736. LYCOPERSICON (hybrids).**

**279732.** 'V-121'. 'Potentate' × *L. pimpinellifolium*. Most nearly resembles 'Potentate'. Resistant to races 1, 2, 3, 4, 5 and 8 of *Cladosporium fulvum*. Adapted to greenhouse forcing.

**279733.** 'Vagabond'. F 12 (F8 'Vetomold' × V-121) × F2 of BC2 ('Vetomold' × *L. hirsutum*). Most nearly resembles ('Vetomold'). Greenhouse variety. Resistant to races 1 to 9 inclusive of *Cladosporium fulvum*.

**279734.** 'Vetomold'. 'Potentate' × *L. pimpinellifolium*. Immune to races 1, 2, 3, 4 and 9 of *Cladosporium fulvum*. Adapted to greenhouse forcing.

**279735.** 'Vinequeen'. Parentage complex, involving 'John Baer', *L. hirsutum*, 'Vetomold', V-121 and 'Stirling Castle'. Similar to 'Vagabond'. Three to five uniform, scarlet, fruits per pound. Resistant to all known of *Cladosporium fulvum*. Greenhouse forcing variety.

**279736.** 'Vulcan'. V-473 × 'Vetomold'. Most nearly resembles 'Vetomold'. Resistant to Races 1, 2, 5, 7 and 9 of *Cladosporium fulvum*. Greenhouse forcing variety.

**279737 to 279742.**

From Canada. Seeds presented by the Dominion Experiment Station, Morden, Manitoba. Received Mar. 20, 1962.

**279737. BRASSICA OLERACEA var. CAPITATA L. Brassicaceae. Cabbage.**  
'Morden Midget'.

**279738. CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.**  
'Morgold'. Fruit deep green, becoming golden yellow when ripe, 4-celled, pointed; size: polar 3.75 cm., equator 1.65 cm.; wall medium to thick.

**279739. CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.**  
'Morden early'.

**279740. HELIANTHUS ANNUUS L. Asteraceae. Sunflower.**  
'Admiral'.

**279741. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**  
'Meteor'. Plant determinate; fruit oval, bright red, smooth, 4-loculed, separating easily from peduncle; seeds many.

**279742. PISUM SATIVUM L. Fabaceae. Pea.**  
'Tiny Tim'.

## 279743 to 279751.

From Japan. Seeds presented by the Tohoka Forest Tree Improvement Station, Tskisswa, Morioka. Received Mar. 20, 1962.

279743. *BETULA PLATYPHYLLA* Sukatchev Betulaceae.

Sinjyo, Aomori.

279744. *BETULA PLATYPHYLLA* var. *JAPONICA* (Miq.) Hara

Yasuhidai, Iwate. Elevation 400 meters. Received as *B. japonica*.

279745 to 279748. *CRYPTOMERIA JAPONICA* (L.f.) D. Don Pinaceae.

Common cryptomeria.

279745. No. 1. Ajigasawa, Aomori.

279747. No. 3. Silosawa, Akita.

279746. No. 2. Owani, Aomori.

279748. No. 4. Tono, Iwate.

279749. *LARIX LEPTOLEPIS* (Sieb. & Zucc.) Gordon Pinaceae.

Japanese larch.

Nagano.

279750. *PINUS DENSIFLORA* Sieb & Zucc. Pinaceae. Japanese red pine.

Hayasaka, Iwate.

279751. *PINUS ×ORAIENSIS* Sieb. & Zucc.

Korean pine.

Kemuriyama, Iwate.

## 279752 to 279801.

From countries indicated. Seeds held at the United States Department of Agriculture Branch Experiment Station, Parma, Idaho. Numbered Mar. 20, 1962.

279752. *ASTRODAUCUS ORIENTALIS* Drude Apiaceae.

No. 38. Botanic Garden, Copenhagen, Denmark.

279753 and 279754. *CAUCALIS DAUCOIDES* Linn. Apiaceae.

279753. No. 46. Institut de Botanique, Liege, Belgium.

279754. No. 50. Jardin Botanique, Rouen, France.

279755. *CAUCALIS LAPPULA* Grande

No. 39. Botanic Garden, Copenhagen, Denmark.

279756. *CAUCALIS LATIFOLIA* L.

No. 43. Botanic Garden, Uppsala, Sweden.

279757. *CAUCALIS LEPTOPHYLLA* L.

No. 40. Botanic Garden, Copenhagen, Denmark.

279758 to 279760. *DAUCUS AUREUS* Desf. Apiaceae.

279758. No. 15. Department of Botany, Hebrew University, Jerusalem, Israel.

279759. No. 20. Jardin Botanico, Madrid, Spain.

279760. No. 31. Botanic Garden, Copenhagen, Denmark.

279761 and 279762. *DAUCUS BOCCONI* Guss.

279761. No. 3. Magyar Tudományos Akademia, Vácrátot, Hungary.

279762. No. 32. Botanic Garden, Copenhagen, Denmark.

279763. *DAUCUS BROTERI* Tenore

No. 16. Department of Botany, Hebrew University, Jerusalem, Israel.

279764. *DAUCUS CAPILLIFOLIUS* Gilli

No. 18. Sandy soil, Gebel, near Jefren, Tripoli.



**279752 to 279801—Continued****279765 to 279774. DAUCUS CAROTA L.****Carrot.**

- 279765. No. 12. Royal Botanic Garden, Kew, England,
- 279766. No. 13. Botanical Garden, Lund, Sweden.
- 279767. No. 14. Botanical Garden, Lund, Sweden.
- 279768. No. 21. Jardin Botanico, Madrid, Spain.
- 279769. No. 27. Hortus Botanicus, Coimbra, Portugal.
- 279770. No. 33. Botanic Garden, Copenhagen, Denmark.
- 279771. No. 34. 'Libanifolia'. Botanic Garden, Copenhagen, Denmark.
- 279772. No. 45. Institut de Botanique, University de Liege, Belgium.
- 279773. No. 48. Jardin Botanique, Rouen, France.
- 279774. No. 51. State Botanical Garden, Brussels, Belgium.

**279775. DAUCUS CAROTA subsp. GUMMIFER Lam.**

- No. 4. Magyar Tudomanyos Akademia, Vacratot, Hungary.

**279776 and 279777. DAUCUS CAROTA var. BOISSIERI Schweinf.**

- 279776. No. 1. 'Balady'. College of Agriculture, Kahera University, Giza, Egypt.

Root purple; annual flowering.

- 279777. No. 2 Orman Botanic Garden, Giza, Orman, Egypt.

**279778 to 279780. DAUCUS CRINITUS Desf.**

- 279778. No. 6. National Agricultural Station, Sacavem, Portugal.
- 279779. No. 8. Hortus Botanicus, Coimbra, Portugal.
- 279780. No. 28. Hortus Botanicus, Coimbra, Portugal.

**279781. DAUCUS DURIEUA Lange**

- No. 29. Hortus Botanicus, Coimbra, Portugal.

**279782 to 279784. DAUCUS GINGIDIUM L.**

- 279782. No. 5. Magyar Tudomanyos Akademia, Vacratot, Hungary.
- 279783. No. 7. National Agricultural Station, Sacavem, Portugal.
- 279784. No. 35. Botanic Garden, Copenhagen, Denmark.

**279785. DAUCUS GUMMIFER Lam.**

- No. 49. Jardin Botanique, Rouen, France.

**279786 DAUCUS MARITIMUS Lam.**

- No. 22. Jardin Botanico, Madrid, Spain.

**279787 to 279789. DAUCUS MAXIMUS Desf.**

- 279787. No. 17. Department of Botany, Hebrew University, Jerusalem, Israel.
- 279788. No. 19. Museum of Natural History, Vienna, Austria.
- 279789. No. 36. Botanic Garden, Copenhagen, Denmark.

**279790 to 279793. DAUCUS MURICATUS L.**

- 279790. No. 11. Service Botanique et Agronomique de Tunisie, Tunisia.
- 279791. No. 30. Hortus Botanicus, Coimbra, Portugal.
- 279792. No. 37. Botanic Garden, Copenhagen, Denmark.
- 279793. No. 42. Botanic Garden, Uppsala, Sweden.

**279752 to 279801—Continued**

**279794.** *DAUCUS POLYGAMUS* GOVAN.

No. 23. Jardin Botanico, Madrid, Spain.

**279795.** *DAUCUS PULCHERRIMUS* Koch ex DC.

No. 24. Jardin Botanico, Madrid, Spain.

**279796.** *DAUCUS PUMILUS* Ball

No. 9. Hortus Botanicus, Coimbra, Portugal.

**279797.** *DAUCUS PUSILLUS* Michx.

No. 25. Jardin Botanico, Madrid, Spain.

**279798.** *DAUCUS SETULOSUS* Guss. ex DC.

No. 26. Jardin Botanico, Madrid, Spain.

**279799 to 279801.** *ORLAYA GRANDIFLORA* Hoffm. Apiaceae.

**279799.** No. 41. Botanic Garden, Copenhagen, Denmark.

**279800.** No. 44. Botanic Garden, Uppsala, Sweden.

**279801.** No. 47. Institut de Botanique, Liege, Belgium.

**279802 to 279821.**

From Canada. Seeds presented by the Central Experimental Farm, Ottawa, Ontario. Received March 21, 1962.

**279802.** *AGROPYRON CRISTATUM* (L.) Gaertn. Poaceae.

**Crested wheatgrass.**

'Fairway'. Stems and leaves remain green after seeds mature; head to 4 inches long, fanlike; seeds have short slender awns; root system very extensive.

**279803.** *ASPARAGUS OFFICINALIS* L. Convallariaceae. **Garden asparagus.**

'Eden'. An early 'Martha Washington', not producing as heavy first 2 weeks of harvest. Shows resistance to rust under field epidemic at Ottawa.

**279804 and 279805.** *BRASSICA NAPUS* var. *NAPOBRASSICA* (L.) Reichb. Brassicaceae. **Rutabaga.**

**279804.** 'Acadia'. Bred from commercial strain of 'Bangholm', by the Division of Forage Plants, Central Experiment Farm, Ottawa. Plants large; leaves erect, glaucous, green variations; shoulder rough with some cracks, purple; flesh yellow.

**279805.** 'Laurentian'. Bred by Agronomy Department, Macdonald College from a strain of Bangholm 8112 MC'. Skin purple; flesh uniform.

**279806.** *BRASSICA OLERACEA* var. *CAPITATA* L.

**Cabbage.**

'Canadian Acre'. Head ball shaped, averaging 800 grams, very firm with wrapper leaves closely adherent and fully covering head.

**279807.** *CUCUMIS SATIVUS* L. Cucurbitaceae.

**Cucumber.**

'Delcrow'. Fruit dark green with pale green striping at blossom end; 5.2 by 19 cm.; flesh white with trace of green extending inward from skin. For home and greenhouse growing.

**279808.** *DACTYLIS GLOMERATA* L. Poaceae.

**Orchardgrass.**

'Hercules'. Mass selected from Manchurian material. Plants leafy, upright, growing luxuriantly in the spring and maturing 1 week later than commercial orchardgrasses.

**279809.** *GLYCINE MAX* (L.) Merrill Fabaceae.

**Soybean.**

'Blackeye'. Color 62/3 (yellowish green) with black hilum; edible; for home garden, freezing and canning; in areas with moderately long summer.

**279802 to 279821—Continued**

**279810 to 279817.** *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

**279810.** 'Carleton'. Plant indeterminate; fruit nearly globular, four-celled; flesh pale red; seeds many. Adapted to staking.

**279811.** 'Early Lethbridge'. (L-3700 Sel. III). Originated at Experimental Farm, Lethbridge, Alberta. 'Farthest North' × 'Polar Circle'. Most nearly resembles 'Early Chatham'. Very early; fruit good size, red; flesh firm, excellent for processing. Adapted to western Canada.

**279812.** 'Earlinorth'. Originated at Experimental Farm, Lethbridge, Alberta. 'Farthest North' × 'Polar Circle'. Leaves bright green, potato-like; fruit rough or fasciated, sets under cool conditions. Adapted to north.

**279813.** 'Ferguson'. Originated at Central Experiment Farm, Ottawa. 'Bounty' × 'Early Rutgers', fixed selection. Plant determinate, good cover, heavy yielder; fruit uniform, good size and color for canning, moderately resistant to cracking. Adapted to Ontario.

**279814.** 'Harrow'. Originated at Agricultural Experiment Farm, Harrow, Ontario. S25-7-2(S.C.) × 'Red Cloud'. Similar to 'Red Cloud'. Plant determinate; fruit uniform ripening, resistant to cracking. Wide adaption.

**279815.** 'Manitoba'. Originated at Experiment Farm, Morden, Manitoba. ('Bounty' × 'Marglobe') × 'Redskin'. Early; fruits smooth. Adapted to southern Canada.

**279816.** 'Morden Yellow'. Originated at Experiment Farm, Morden, Manitoba. 'Bestal' × 'Round Smooth'. Fruit orange yellow. Adapted to short season gardens.

**279817.** 'Scotia'. Originated at Dominion Experiment Farm, Kentville, Nova Scotia. 'Meteor' × 'Quebec No. 5'. Plant determinate, productive, very early; fruit green shouldered, medium size. Adapted to short season, cool areas.

**279818.** *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

'Pacer'. Plant bush type, snap and baking type; pods yellow, green tipped when young; seeds white, kidney shaped.

**279819 and 279820.** *PISUM SATIVUM* L. Fabaceae. **Pea.**

**279819.** 'Alton'. Pods 6.5 by 1.5 cm., granular or moderately wrinkled; seeds 4 to 6 per pod, green to cream and gray green, semi-flat, wrinkled, 25.1 grams per 100 seeds.

**279820.** 'Selkirk'. Pods 6.35 by 1.3 by 1.1 cm., spinach green, slightly wrinkled; seeds 6 per pod, cream to olive green, square, 16.2 grams per 100 seeds.

**279821.** *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

'Altaswede'. Perennial, single cut type; stems 10 percent hairy, 90 percent smooth; leaves elongate, pale green, hairy both sides; flowers oval, white to red with pink predominating; seeds small, 60 percent yellow, remainder purple to yellow-purple.

**279822.** *ROSA* (hybrid). Rosaceae.

From Australia. Cuttings presented by the Department of Agriculture and Stocks, Brisbane. Received Feb. 13, 1962. Numbered June 12, 1962.

*R. tausendschon* × *R. multiflora*.

**279823 to 279827.** *PISUM SATIVUM* L. Fabaceae. **Pea.**

From Germany. Seeds presented by the Max-Planck Institut of Plant Breeding, Koln-Vogelsang. Received Mar. 21, 1962.

**279823.** 'Edelperle'. 'Luttichau' × 'Riebesel'.



## 279823 to 279827—Continued

279824. 'Foli'. No. 1.

279825. 'Foli' No. 2.

279826. 'Heralda'.

279827. 'Mansholt's Pluk'.

## 279828 to 279836.

From Ethiopia. Plants collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered Mar. 21, 1962.

279828. *APIUM NODIFLORUM* Reich. f. Apiaceae.

Col. No. 7520. Very wet, shaded slopes along branch of Acachi River, about 3 km. northeast of main road to Acachi, Shoa Province. Elevation 2,100 meters. Plant a lithe paludal from creeping rhizome, rather succulent, tastes like celery.

279829. *DRACAENA STEUDNERI* Schwfth. ex Engl. Liliaceae.

Col. No. 7982. Moist woods, along edge of fields and in deep ravines, 7 km. northwest of Jimma, on road to Agaro, Kaffa Province. Elevation 1,750 meters. Tree to 12 meters high; bole straight at base, then profusely branched; branches strict to ascending; leaves clustered mostly just below the inflorescence; inflorescence 1 meter long, much branched; flowers terminal on new apical shoots.

279830. *DRYNARIA VOLKENSII* Hieron. Polypodiaceae. Fern.

Col. No. 7679. Epiphyte, on limbs of tree by stream 34 km. west of Ambo, Shoa Province. Elevation 2,490 meters. Plant wild, rhizomatous; fronds dimorphic; the sterile pinnatifid, ascending, clasping; the fertile ones erect.

279831. *GALINIERA COFFEOIDES* Del. Rubiaceae.

Col. No. 7839. Component of shrub layers in rainforest with *Coffea arabica*, across Dentcha River from Sudan Interior Mission, Bonga, Kaffa Province. Elevation 1,700 meters. Evergreen tree to 8 meters high, densely branched; bark smooth, gray.

279832. *HAEMANTHUS MULTIFLORUS* Martyn Amaryllidaceae.

Col. No. 8022. Rocky bank along south side of Baco River, where Tippi-Mesan Tefari trail crosses, Illubabor Province. Elevation 1,010 meters. Bulbous plant in wild; stem sheaths red mottled; leaves to 0.5 meter high; flowers scarlet.

279833. *KALANCHOE PETITIANA* A. Rich. Crassulaceae.

Col. No. 7715. Clearing at edge of *Juniperus procera* forest, Managasha National Park, Shoa Province. Succulent perennial in wild to 1.5 meters high, tufted from base; flowers variable in color from white to deep pink.

279834. *COLEUS ASSURGENS* Bak. Menthaceae.

Col. No. 7569. Moist, shaded bank by stream, Entotto Mountain, Shoa Province. Elevation 2,500 meters. Tufted perennial to 60 cm. high, spreading; stems and leaves succulent; flowers bright blue.

279835. (Undetermined.) Araceae.

Col. No. 7470. Base of lava boulders much overgrown by shrubs, west side of Acachi River near top of valley, 17 km. south of Addis Ababa, Shoa Province. Elevation 2,070 meters. Plant tuberous rooted; tubers 65 to 75 mm. across, 12 to 18 mm. thick, white and succulent; inflorescence (fruiting stalk) partially underground; fruit scarlet.

**279828 to 279836—Continued**

279836. (Undetermined.) Orchidaceae.

(No Col. No.) Rain forest along Baco River where Tippi-Mesan Tefari trails cross, Illubabor Province. Elevation 1,010 meters. Plant terrestrial; leaves brownish green; flower spike to 35 cm. long, 13 mm. across; flowers brownish with yellow throat.

**279837 to 279841.**

From Great Britain. Seeds presented by Hillier & Sons, Winchester, England. Received Mar. 22, 1962.

279837. *ASTER ALPINUS* L. Asteraceae.

'Roseus'.

279838. *CRAMBE CORDIFOLIA* Stev. Brassicaceae.

279839. *DIANTHUS NOEANUS* Boiss. Silenaceae.

279840. *HOSTA GLAUCA* (Miq.) Stearn Liliaceae. Cushion plantainlily.

279841. *IRIS DOUGLASIANA* Herb. Iridaceae.

**279842 to 279845.**

From Mexico. Seeds collected by H. S. Gentry and A. S. Barclay, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Mar. 22, 1962.

279842. *JARILLA CHOCOLA* Standley Caricaceae.

Col. No. 19351. Short tree forest canyon, Sierra La Chuna near San Bernardo, Sonora. Perennial herb in wild; roots tuberous.

279843. *PHYSALIS PUBESCENS* L. Solanaceae.

Arguelles No. 131. 'Tomotillo Grande' from Chorihoa, Sonora.

279844. *TAXODIUM MUCRONATUM* Ten. Pinaceae.

Montezuma baldcypress.

Arguelles No. 126. 'Sabino' from Chorihoa, Sonora. Ornamental.

279845. *VIGNA SINENSIS* (Torner) Savi Fabaceae.

Col. No. 19274. 'Frijol yorimumi' from Chorihoa, Rio Mayo, Sonora. Cultivated on sandy soil. Plant bush-beanlike.

**279846 to 279848.**

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehobot. Received Mar. 22, 1962.

279846. *MEDICAGO CILIARIS* (L.) All. Fabaceae.

Field No. 36-51. Heavy alluvial soil, Yehiam, 800 mm. rainfall. Plant annual.

279847. *TRIFOLIUM CHERLERI* L. Fabaceae.

Col. No. 34-51. Terra rosa soil, northern road Sasa, 900 mm. rainfall.

279848. *VICIA NARBONENSIS* L. Fabaceae.

Field No. 81-50.

**279849 and 279850. BRASSICA OLERACEA var. BOTRYTIS L. Brassicaceae. Cauliflower.**

From the Netherlands. Seeds presented by the British Embassy, Washington, D.C. Received Mar. 22, 1962.

279849. No. 1. Six weeks.

279850. No. 2. 'VDB Delta'.

**279851 to 279875.**

From Japan. Seeds presented by T. Sakata & Company, Yokohama. Received Mar. 22, 1962.

**279851 to 279856.** *BRASSICA OLERACEA* var. *CAPITATA* L. Brassicaceae. **Cabbage.**

F-1 hybrids.

**279851.** No. 18. Head semiball, firm, dark green to 5 lb.; early maturing, for cool climates, fall and spring.

**279852.** No. 19.

**279853.** No. 21. Head semiflat, to 3.5 lb.; early to midseason, all weather type, nonbolting.

**279854.** No. 26. Succession type; good for spring and summer sowing. Stays in head longer than 'Golden Acre' or 'Jersey Wakefield'.

**279855.** No. 30.

**279856.** No. 31.

**279857.** *BRASSICA PEKINENSIS* (Lour.) Rupr. **Chinese cabbage.**

F-1 hybrid. Short season type with firm head. Can be harvested in 50 to 60 days from sowing.

**279858 to 279861.** *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae. **Watermelon.**

F-1 hybrids.

**279858.** 'Honey Cream'.

**279859.** No. 100. Plant heavy bearer; fruit seedy, somewhat oblong, to 12 lb., midseason variety; skin striped; rind thin; flesh very sweet, juicy, deep rose red. Highly resistant to all diseases.

**279860.** No. 101. Fruit round, to 15 lb., midseason variety; skin light green with fine veins; rind thin; flesh sweet, juicy, salmon pink. Highly resistant to disease.

**279861.** No. 103.

**279862.** *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**

F-1 hybrid. 'Sweetie'.

**279863.** *CUCURBITA MAXIMA* Duchesne Cucurbitaceae. **Squash.**

F-1 hybrid No. 2.

**279864 to 279871.** *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

F-1 hybrids. Fruit pink.

**279864.** No. 1. Plant productive, very early bearing; fruit round, slightly flattened, 3 per lb. Highly disease resistant.

**279865.** No. 2. Plant productive; early maturing; fruit round, slightly flattened, to 12 oz. each. Highly disease resistant.

**279866.** No. 4. 'Ponderosa' type but fruit better shaped and heavier producer. Fruit to 1 lb.

**279867.** No. 5. 'Ponderosa' type but better shape and smoother skin, early variety with abundant and continuous yield; fruits to 12 oz.

**279868.** No. 6. Earliest maturing large pink; marked hybrid vigor, tall; fruit round, to 7 oz.

**279869.** No. 21. Plant heavy yielder, medium early; fruit round, very meaty, red, to 8 oz., reduced number of seeds.

**279870.** No. 22. Plant vigorous, tall, heavy yielder, early; fruit somewhat flattened, under 8 oz.

**279871.** No. 23. Plant indeterminate, midseason, earlier than 'Rutgers'; fruit ball shaped with small blossom end, red, 8 to 12 oz.; skin smooth. Highly resistant to diseases.



**279851 to 279875—Continued**

**279872 to 279875.** *SOLANUM MELONGENA* L. Solanaceae. **Eggplant.**

F-1 hybrids.

**279872.** No. 23. Plant vigorous, heavy cropper; fruits oblong, to one lb.; skin shiny black. Highly disease resistant.

**279873.** No. 25. Plant somewhat spreading, heavy yielder, very early maturing; fruit somewhat smaller than 'New Hampshire Hybrid'; skin glossy black. Highly resistant to fusarium and other diseases.

**279874.** No. 29.

**279875.** No. 30. Plant productive, early maturing; fruit roundish, medium size; skin glossy purple blue. Highly resistant to disease. Grown in U.S. as 'TS Cross'.

**279876.** *PISUM SATIVUM* L. Fabaceae. **Pea.**

From Germany. Seeds presented by van Waveren & de Bres GmbH, Rosdorf-Göttingen. Received Mar. 22, 1962.

'Horal'.

**279877 to 279884.** *CARICA PAPAYA* L. Caricaceae. **Papaya.**

From New Guinea. Seeds presented by the Director of Agriculture, Port Moresby. Received Mar. 22, 1962.

Collected at Erave, elevation 3,600 feet.

**279877.** No. 1. Plant dwarf, prolific fruiting; fruit spherical, orange yellow; flesh orange.

**279878.** No. 2. Plant dwarf, prolific fruiting; fruit spherical, bright orange; flesh bright orange.

**279879.** No. 3. Plant tall, prolific fruiting; fruit spherical, light yellow; flesh light orange.

**279880.** No. 4. Plant dwarf, prolific fruiting; fruit cylindrical, light yellow; flesh light orange.

**279881.** No. 5. Plant dwarf, moderate fruiting; fruit cylindrical, light yellow; flesh orange.

**279882.** No. 6. Plant dwarf, prolific fruiting; fruit cylindrical, yellow; flesh bright yellow.

**279883.** No. 7. Plant tall, prolific fruiting; fruit spherical, orange to yellow; flesh yellow.

**279884.** No. 8. Plant tall, moderately prolific; fruit spherical, greenish light yellow; flesh yellow.

**279885.** *PHASEOLUS AUREUS* Roxb. Fabaceae. **Mung bean.**

From Angola. Seeds presented by the Direcção de Agricultura e Florestas via the United States Embassy, Leopoldville, Republic of Congo. Received Mar. 23, 1962.

**279886 and 279887.** *ZEA MAYS* L. Poaceae. **Corn.**

From Brazil. Seeds presented by the Instituto de Genética, Universidade de São Paulo, São Paulo. Received Mar. 23, 1962.

**279886.** 'Parana III'.

**279887.** 'S. Paulo XIII'. 4986.

**279888 to 279896.**

From Puerto Rico. Seeds presented by S. E. Fulton, Fort Brooks. Received Mar. 23, 1962.

**279888.** *HIBISCUS ACETOSELLA* Welw. Malvaceae.

Leaves red.

**279888 to 279896—Continued**

279889. *HIBISCUS BIFURCATUS* Cav. Rosemallow.  
Flowers rose purple.
279890. *HIBISCUS ROSA-SINENSIS* L. Chinese hibiscus.
279891. *HIBISCUS HAMABO* Sieb. & Zucc.
279892. *HIBISCUS MILITARIS* Cav.
279893. *HIBISCUS MUTABILIS* L. Cotton rosemallow.
279894. *HIBISCUS SYRIACUS* L. Shrub-althea.
279895. *HIBISCUS* sp.  
Tree hibiscus.
279896. *HIBISCUS GRANDIFLORUS* Michx.

**279897 to 279899.**

From France. Cuttings presented by Station de Recherches, Viticoles et d'Arboriculture Fruitiere, Pont-de-la-Maye (Gironde). Received Mar. 26, 1962.

279897. *VITIS VULPINA* L. Vitaceae.  
'Riparia Grande Glabre'.
279898. *VITIS* (hybrid).  
Rootstock No. 4453.
279899. *VITIS* sp.  
5BB.

**279900 to 279902.**

From England. Plants purchased from Hillier & Sons, Winchester. Received Mar. 22, 1962. Numbered Mar. 26, 1962.

279900. *ASPLENIUM ADIANTUM* var. *NIGRUM* L. Polypodiaceae. Fern.
279901. *CETERACH OFFICINARUM* DC. Polypodiaceae. Fern.
279902. *POLYSTICHUM SETIFERUM* Forsk. Polypodiaceae. Fern.  
'Actilobum'.

**279903 to 279932.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Mar. 26, 1962.

- 279903 to 279908. *GLYCINE JAVANICA* L. Fabaceae.
279903. C.P.I. 16417. 279906. C.P.I. 17673.
279904. C.P.I. 16673. 279907. C.P.I. 18103.
279905. C.P.I. 17185. 279908. C.P.I. 18419.
279909. *LOTONONIS BAINESII* Baker Fabaceae.  
C.P.I. 16833.
- 279910 to 279914. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
279910. Q. 422. 'Broadleaf Giant'. 279913. V 192. 'Glutinosa'.
279911. V. 187. 'Dry Area'. 279914. V. 193. 'Rhizoma'.
279912. V. 188. 'Hunter River Lucerne'.
279915. *STYLOSANTHES SUNDAICA* Taub. Fabaceae.  
Q. 314. 'Townsville Lucerne'.

**279903 to 279932—Continued**

279916. *TRIFOLIUM ARMENIUM* Willd. Fabaceae.

C.P.I. 23819.

279917. *TRIFOLIUM BEJARIENSE* Moric.

C.P.I. 21853.

279918. *TRIFOLIUM CANESCENS* Willd.

C.P.I. 23822.

279919 and 279920. *TRIFOLIUM CARMELII* Boiss.

279919. C.P.I. 15637.

279920. C.P.I. 18739.

279921. *TRIFOLIUM CERNUUM* Brot.

C.P.I. 13103.

279922. *TRIFOLIUM DESVAUXII* Boiss. & Blanche.

C.P.I. 13816.

279923. *TRIFOLIUM ISODON* Murb.

C.P.I. 14736.

279924. *TRIFOLIUM MARITIMUM* Huds.

S-208.

279925. *TRIFOLIUM PARVIFLORUM* Ehrh.

C.P.I. 22743.

279926. *TRIFOLIUM PETRISAVII* Clem.

C.P.I. 13946.

279927. *TRIFOLIUM SEMIPILOSUM* Fresen.

C.P.I. 21156.

279928. *TRIFOLIUM STENOPHYLLUM* Boiss.

C.P.I. 14938.

279929. *TRIFOLIUM SUPINUM* Savi Fabaceae.

C.P.I. 14941.

279930. *TRIFOLIUM USAMBARENSE* Taub.

C.P.I. 22156.

279931. *CHLORIS TRUNCATA* R. Br. Poaceae.

C1130. McKee 8931.

279932. *SORGHUM LEOCLADUM* (Hack.) Hubbard Poaceae.

C1131. McKee 8948.

**279933. *PISUM SATIVUM* L. Fabaceae.**

**Pea.**

From New York. Seeds held in storage at the Regional Introduction Station, Geneva. Numbered Mar. 26, 1962.

'Chinese Snow Pea'. Obtained from California. Plant to 150 cm. high, 16 nodes to first flower, 46 days to bloom; flowers white; pods single 8.2 by 2.2 cm., 6-seeded, distorted, flat, whitish translucent; seeds medium size, wrinkled and round; seed coats split. Very susceptible to powdery mildew.

**279934. *HIBISCUS ROSA-SINENSIS* L. Malvaceae. Chinese hibiscus.**

From Puerto Rico. Cuttings presented by the Federal Experiment Station, Mayaguez. Received Mar. 26, 1962.



**279935 to 279940. PYRUS COMMUNIS L. Malaceae.**

From France. Cuttings presented by the Georges Delbard Nursery, Paris.  
Received Mar. 28, 1962.

- 279935. Rx 76. 'Williams Rouge' × 'Comice'.
- 279936. Rx 196. 'Clairgeau' × 'Williams'.
- 279937. Rx 226. 'Beurre Hardy' × 'Passe-Crassane'.
- 279938. Rx 249. Open pollinated seedling of 'Williams'.
- 279939. Rx 259. Open pollinated seedling of 'Williams'.
- 279940. Rx 274. Open pollinated seedling of 'Clairgeau'.

**279941 and 279942. VITIS VINIFERA L. Vitaceae.**

**European grape.**

From Germany. Cuttings presented by the Landes- Lehr- und Forschungsinstitut für Wein und Gartenbau, Maximilianstrasse. Received Mar. 28, 1962.

- 279941. 'Siegerriebe'. ('Muscat Couillier' × 'Gewurztraminer').
- 279942. 'Weissburgunder' × 'Silvaner' ('Pinot Blanc') × 'Silvaner' (28/30).

**279943 to 279950.**

From Turkey. Seeds presented by the Department of Agronomy, University of Ankara, Ankara. Received Mar. 28, 1962.

- 279943. *BROMUS MACROSTACHYS* var. *LANUGINOSUS* (Poir.) Coss. & Dur. Poaceae.

Field No. 728. Plant wild annual to 50 cm. high; leaves wide; inflorescence erect; spike long.

- 279944. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**

Field No. 457. 'Tenuis'. Kocas State Farm, Konya. Perennial in wild; stem straight or decumbent, mostly glabrous; leaves on short stalks; leaflets linear; flower stalk cylindrical; flowers yellow.

- 279945. *MEDICAGO SCUTELLATA* (L.) Mill. Fabaceae. **Snail medic.**

Field No. 527. Plant in wild, annual to 50 cm. high; leaves long, toothed.

- 279946. *TRIFOLIUM ARMENIUM* Willd. Fabaceae.

Field No. 110. Beynam forest and steppe, Ank Bala. Plants in wild, covered with soft hairs; stem erect; flowers yellow.

- 279947. *TRIFOLIUM GLOBOSUM* L.

Field No. 539. Twelve km. from Bayhan, road to Surt. Plant annual, to 40 cm. high, pubescent.

- 279948. *TRIFOLIUM VESICULOSUM* Savi

Field No. 567. Frontier Kabine Kule Dist. Plant in wild, annual; stem straight, branched.

- 279949. *TRIFOLIUM STELLATUM* L.

Field No. 481. Plant in wild.

- 279950. *VICIA CASSUBICA* L. Fabaceae.

Field No. 571. Kirklareli, Dereköy, Bulgarian border. Plant in wild, perennial to 40 cm. high; inflorescence racemose; flowers blue.

**279951. ILEX AQUIFOLIUM var. CHINENSIS Loes. Aquifoliaceae.**

From Japan. Seeds presented by the Aritaki Arboretum, Koshigayashi, Saitama-ken. Received Mar. 28, 1962.

**279952. ILEX PARAGUARIENSIS St. Hil. Aquifoliaceae.****Yerba mate.**

From Argentina. Seeds presented by the Secretaria de Estado de Agricultura y Ganaderia de la Nacion, Buenos Aires. Received Mar. 28, 1962.

DEIP No. 21.274. El Zaiman Mission.

**279953 to 279957. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From Brazil. Seeds presented by Instituto Agronomico do Estado de Sao Paulo, Campinas. Received Mar. 28, 1962.

279953. 'Macrocarpa'.

279954. 'Nhambiquara Vermelho'. Matto Grosso.

279955. 'Nhambiquara Vermelho Claro'. Matto Grosso.

279956. 'Roxo'.

279957. 'Tatu'. Bahia.

**279958. MEDICAGO SATIVA L. Fabaceae.****Alfalfa.**

From Turkey. Seeds presented by a commercial grower, Kayseri. Received Mar. 28, 1962.

**279959. HORDEUM VULGARE L. Poaceae.****Barley.**

From Great Britain. Seeds presented by E. W. Nickerson & Sons, Limited, Grimsby, Lincolnshire, England. Received Mar. 28, 1962.

'Swallow'. Spring type.

**279960. VETIVERIA ZIZANIODES (L.) Nash Poaceae.**

From the British West Indies. Seeds presented by the Department of Agriculture, Montserrat, Leeward Islands. Received Mar. 28, 1962. Bunch grass, to 6 feet; adapted to dry sites; propagated by seeds and vegetatively; used for soil erosion and windbreaks.

**279961 to 280006. ORYZA SATIVA L. Poaceae.****Rice.**

From Italy. Seeds presented by the Stazione Sperimentale di Riscicoltura, Vercelli. Received Mar. 28, 1962.

279961. 'Allorio' × 'Bagiang'.

279962. 'American 1600'.

279963. 'Arborio 111/11'.

279964. 'Ardizzone'.

279965. 'Balilla'.

279966. 'Balilla Grana Grossa'.

279967. 'Balilla' × R. 77 V 274 bis.

279968. 'Balilla' × R. Bersani V207.

279969. 'Balilla' × R. Bersani V248.

279970. 'Balocco'.

279971. 'Baraggia'.

279972. 'Baraggia' × 'F. Roncarolo'. F<sub>2</sub>.

279973. 'Baraggia' × S. 136. F<sub>2</sub>.

279974. 'Bellardone'.

279975. 'Early Prolific' × 'Zenith I Bo. 786'.

279976. 'Fiorina'.

279977. 'Fontanetto Po'.

279978. 'Franco Roncarolo'.

**279961 to 280006—Continued**

279979. 'Italpatna 640'.  
 279980. ('Italpatna 640' × R. B. × 'Balilla' × R. B.) × 'Italpatna 640'. F<sub>2</sub>.  
 279981. 'La Ferla' × 'Sesia'. F<sub>2</sub>.  
 279982. 'Magnolia' × 'Allorio' × 'Magnolia'. F<sub>2</sub>.  
 279983. 'Monticelli'.  
 279984. 'Olcenengo'.  
 279985. 'Omirt 39' × (R. B. × 'Italpatna 640'). F<sub>1</sub>.  
 279986. 'Originario Leucino'.  
 279987. P. 6 × P. 6 × 'Blue Rose V.638'.  
 279988. 'Razza 77'.  
 279989. 'Razza 253'.  
 279990. 'R. Bersani' 7/5'.  
 279991. 'R. Bersani' 'Balilla' × 'R. Bersani V.265'.  
 279992. R. B. × (R. B. × 'Balilla' × R. B. 266). F<sub>1</sub>.  
 279993. R. B. × 'Italpatna 640' × R. B.  
 279994. 'Rizzotto'.  
 279995. 'Rizzotto' × 'Magnolia'.  
 279996. 'Rizzotto' × 'S. 82 Chiappelli I Bo. 567'.  
 279997. 'Ronco'.  
 279998. 'Ronco' × 'Ardizzone I Bo. 92'.  
 279999. 'Roverbella'.  
 280000. 'Sesia'.  
 280001. 'Stirpe 82 Chiappelli'.  
 280002. 'Stirpe 136'.  
 280003. S. 136 × ('Baraggia' × R. B.). F<sub>1</sub>.  
 280004. 'Vialone Nano' × 'Ardizzone V. 210/60'.  
 280005. ('Zenith' × S. 136) × S. 136. F<sub>1</sub>.  
 280006. ('Zenith' × S. 136) × 'Zenith'. F<sub>2</sub>.

**280007. VACCINIUM MYRTILLUS L. Vaccinaceae.****European whortleberry.**

From Yugoslavia. Plants presented by L. H. MacDaniels, United States Embassy, Belgrade. Received Mar. 28, 1962.

Growing in the woodland at Slovenia.

**280008 to 280018. MALUS SYLVESTRIS Mill. Malaceae.**

From Yugoslavia. Scions presented by Janko Lipovec, Kmetijski Pospesevalni Zavod, Maribor. Received Mar. 28, 1962.

280008. No. 3709. 'Ananas Reinette' × 'James Grieve'. Yellow, good quality.  
 280009. Pohorka No. 2033. 'Cox Orange' × 'Ontario'.  
 280010. No. 6947. 'Gold Pearmain' × 'Jonathan'. Midsummer, striped.  
 280011. No. 6970. 'Gold Pearmain' × 'Jonathan'. Good quality.  
 280012. No. 7060. 'Gold Pearmain' × 'Jonathan'. Very good flavor, striped.



**280008 to 280018—Continued**

280013. No. 7141. 'Gold Pearmain' × 'Jonathan'. Good keeping 'Jonathan' type, mildew resistant 3 years.
280014. No. 7064. 'Gold Pearmain' × 'Jonathan'. Best quality fruit, good keeping 'Jonathan' type.
280015. Mariborka No. 7065. 'Gold Pearmain × Jonathan'. Commercial selection, fruit a good keeping 'Jonathan' type, productive.
280016. No. 6327. 'Jonathan' × 'Cox'. Mildew resistant.
280017. No. 6427. 'Jonathan' × 'Cox'. Dark 'Jonathan' color, with suggestion of 'Cox' splash and spice.
280018. Priol's Delicious No. 2644. 'Lavanttaler Banana × James Grieve'. Yellow, very good quality.

**280019 and 280020. VITIS (hybrids). Vitaceae.**

From Great Britain. Cuttings presented by the Viticultural Research Station, Oxted-Surrey, England. Received Mar. 30, 1962.

280019. 'Wrotham Pinot'.

280020. 'Siegerrebe'.

**280021. FRAGARIA (hybrid). Rosaceae.****Strawberry.**

From the Netherlands. Plants presented by the Institute of Horticultural Plant Breeding, Wageningen. Received Mar. 30, 1962.

'Juspa'.

**280022 to 280035.**

From Great Britain. Cuttings presented by the National Fruit Trials, Brogdale Farm, Faversham, Kent, England. Received Mar. 30, 1962.

**280022 to 280029. MALUS (hybrids). Malaceae.**

280022. 'Adams's Pearmain'.

280023. 'Allen's Everlasting'.

280024. 'Claygate Pearmain'.

280025. 'Egremont Russet'.

280026. 'Margil'.

280027. 'Old Nonpareil'.

280028. 'Orleans Reinette'.

280029. 'Pitmaston Pine Apple'.

**280030 to 280035. PYRUS (hybrids). Malaceae.**

280030. 'Beurre Jean van Geert'.

280031. 'Comte de Lamy'.

280032. 'Double de Guerre'.

280033. 'Gansel's Bergamot'.

280034. 'Huyshe's Victoria'.

280035. 'Parrot'.

**280036 to 280039. IPOMOEA BATATAS: (L.) Lam. Convolvulaceae.**  
**Sweetpotato.**

From China. Tubers presented by the Chia-Yi Agricultural Experiment Station, Taiwan. Received Apr. 3, 1962.

280036. D-49. Diploid. Stem: length, 138.5 cm., diameter, 5.3 cm.; number of branches, 12.9; flowers per plant, 338; days of flowering period, 130; root yield, 0.73 kg.; yield of green part, 0.47 kg., dry weight of chipped roots, 34 percent.

**280036 to 280039—Continued**

280037. D-50. Diploid. Stem length, 126.5 cm.; number of branches, 9.7; flowers per plant, 170; days of flowering period, 106; root yield, 0.83 kg.; yield of green parts, 0.36 kg.; dry weight of chipped roots 32.4 percent.

280038. T-49. Triploid. Stem: length, 92.8 cm., diameter, 5.2 cm.; number of branches, 8.7; flowers per plant, 16.2; days of flowering period, 62; root yield, 0.27 kg.; yield of green parts, 0.28 kg.; dry weight of chipped roots, 32 percent.

280039. T-50. Triploid. Stem length, 73.6 cm.; number of branches, 7.9; number of flowers per plant, 19.6; days of flowering period, 58; root yield, 0.48 kg.; yield of green parts, 0.20 kg.; dry weight of chipped roots, 30.6 percent.

**280040 to 280048.**

From Turkey. Cuttings presented by the Ziraat Fakltesi, University of Ankara, Ankara. Received April 3, 1962.

280040. *PUNICA GRANATUM* L. Punicaceae. **Pomegranate.**  
No. 9. Seedless.

280041 to 280048. *VITIS VINIFERA* L. Vitaceae. **European grape.**

280041. No. 2. 'Cekirdeksiz' (Black;.

280042. No. 3. 'Enfes' (Alfons).

280043. No. 5. Foca Karasi' (Black).

280044. No. 6. 'Humusi'.

280045. No. 8. 'Misket'.

280046. No. 7. 'Muskule' or 'Musule'.

280047. No. 4. 'Razzaki'.

280048. No. 1. 'Sultanina'.

**280049. *SOLANUM AVICULARE* Forst. f. Solanaceae.**

From the United States. Seeds presented by General Mills Incorporated, Minneapolis, Minnesota. Numbered Apr. 4, 1962.

From the Potato Introduction Station, Sturgeon Bay, Wisconsin, via the Plant Introduction Station, Glenn Dale, Md.

**280050 to 280055. *NICOTIANA UMBRATICA* Burbidge Solanaceae.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Apr. 4, 1962.

280050. Bush. 5873. Grown under glass.

280051. TS 301. From resistant plants.

280052. TS 304. From resistant plants.

280053. TS 304. Grown under glass.

280054. TS 305. Grown at lower temperature.

280055. No number. No data.

**280056. *PINUS THUNBERGII* Parl. Pinaceae.**

From Japan. Seeds presented by the Biological Institute, Ibaraki University, Mito. Received Apr. 4, 1962.

Selected for oceanside planting.

**280057 and 280058. ILEX AQUIFOLIUM L. Aquifoliaceae.****English holly.**

From Great Britain. Plants presented by the Royal Botanic Gardens, Kew, Richmond, Surrey, England. Received Feb. 23, 1962. Numbered Apr. 4, 1962.

280057. 'Madame Briot'.

280058. 'Longifolia'.

**280059. LUFFA CYLINDRICA (L.) Roemer Cucurbitaceae.****Suakwa towelgourd.**

From the American Virgin Islands. Seeds collected by W. C. Young, Soil Conservation Service and now held at the Regional Plant Introduction Sta., Experiment, Ga. Numbered Apr. 4, 1962. Kingshill, St. Croix.

**280060. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**

From Canada. Seeds held in storage at the Regional Plant Introduction Station, Geneva, N.Y. Numbered Apr. 4, 1962.

'Early Dwarf'. Breeding line No. 11-1-12 B 1 obtained from J. Wiebe, Vineland, Ontario. Plant determinate, to 33 cm. high and 70 cm. wide, erect, vigorous, early maturing (Aug. 8 at Geneva), heavy yielder, 4 to 5 fruits per cluster; fruit 6 by 7.3 cm., slightly flattened, severe concentric cracking, 6-loculed; flesh medium dark. Susceptible to *Alternaria tenuis* fruit spotting. A good parent for early F-1 hybrids.

**280061. ZEA MAYS L. Poaceae.****Corn.**

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Ames, Iowa. Numbered Apr. 4, 1962.

'Lancaster Surecrop'. This variety is the source of three Ohio inbred lines, Oh40B, Oh43, and Oh45.

**280062 and 280063.**

From Ghana. Seeds presented by the United States Agency for International Development, Mpraeso. numbered Apr. 4, 1962.

280062. *CAPSICUM* sp. Solanaceae.

'Nhyerawa' or 'Bird's Eye Pepper'. Collected near Mpraeso, Eastern Region. Cultivated.

280063. *HIBISCUS ESCULENTUS* L. Malvaceae.

**Okra.**

'Early Short'. Collected near Mpraeso, Eastern Region. Cultivated.

**280064. PISUM SATIVUM L. Fabaceae.****Pea.**

From the Netherlands. Seeds presented by Stichting voor Plantenveredeling, Wageningen. Received Apr. 5, 1962.

'Horal'.

**280065 to 280075.**

From Great Britain. Seeds presented by the Scottish Plant Breeding Station, Pentlandsfield, Roslin, Midlothian, Scotland. Received Apr. 5, 1962.

280065 to 280068. *BRASSICA OLERACEA* var. *CAPITA* L. Brassicaceae.

**Cabbage.**

Frost-resistant varieties.

280065. 'Champion Late Drumhead'.

280066. 'Giant Purple Flatpoll'.

280067. 'January King'.

280068. 'Late Drumhead Savoy'.



**280065 to 280075—Continued****280069 to 280075. BRASSICA OLERACEA var. VIRIDIS L.****Kale.**

Frost resistant varieties.

**280069.** 'Canson'.**280070.** 'Cottagers'.**280071.** 'Late Thousand-Head'.**280072.** 'Sutton's dwarf Curled'.**280073.** 'Sutton's Extra Curled Scotch'.**280074.** 'Thousand-Head'.**280075.** 'Sutton's Hardy Sprouting'.**280076. PISUM SATIVUM L. Fabaceae.****Pea.**

From the Netherlands. Seeds presented by Sluis Brothers, Incorporated, Enkhuizen. Received Apr. 5, 1962.

'Eroica'. Seeds large, brown variegated.

**280077. LENS CULINARIS Medic. Fabaceae.****Lentil.**

From Chile. Seeds presented by the Agency for International Development, Washington, D.C. Received Apr. 5, 1962.

'Algeria 211'. A green-seeded, rust-resistant type; from the Mediterranean area.

**280078 to 280082. CUCUMIS MELO L. Cucurbitaceae.****Muskmelon.**

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received Apr. 5, 1962.

**280078.** No. 1. Israeli selection from Hungary. Fruit 0.75 to 1.25 kilo, early maturing; seed cavity very small; aroma poor; sugar content 6 percent.**280079.** 'Ananas Yokneam'. Selection from open-pollinated population; fruit 1.5 to 2 kilos; flesh yellow cream, aroma very pleasant; sugar content 7 to 7.5 percent. Does very well under dryland conditions. Not a good shipper.**280080.** 'Haogen's Honey'. Israeli selection from Hungary. Fruit 0.75 to 1.25 kilo, early maturing; aroma delicate; sugar content 9.5 percent.**280081.** 'Yellow Export'. Introduced into Israel from Spain via Cyprus. Fruit 1 to 2 kilos, round; flesh white yellow; seed cavity large; little aroma; sugar content 6 percent. Fruit sweetens on storage for 3 to 4 weeks.**280082.** 'Yellow Export'. Introduced into Israel from Spain via Cyprus. Fruit 1 to 2 kilos, elongate; flesh white yellow; seed cavity large; little aroma; sugar content 6 percent. Fruit sweetens on storage for 3 to 4 weeks.**280083 to 280088.**

From Yugoslavia. Seeds presented by the Biologičal Institute, Belgrade. Received Apr. 5, 1962.

**280083 and 280084. RUBUS CAESIUS L. Rosaceae.****Dewberry.****280083.** No. 3.**280084.** No. 4.**280085. RUBUS HIRTUS Waldst. & Kit.**

St.

**280083 to 280088—Continued**280086. *RUBUS PLICATUS* Weihe & Nees

No. 1.

280087 and 280088. *RUBUS* (hybrids).280087. R-1. *R. hirtus* hybrid.280088. R-3. *R. hirtus* hybrid.**280089 to 280096.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Apr. 5, 1962.

280089. *ALLIUM CAESIUM* Schrenk Liliaceae.280090. *ALLIUM FISTULOSUM* L.

Welsh onion.

280091. *ALLIUM GALANTHUM* Kar. & Kir.280092. *ALLIUM LEDEBOURIANUM* Schult. f.280093. *ALLIUM PSKEMENSE* B. Fedtsch.280094. *ALLIUM SCHOENOPRASUM* L.

Chives.

280095. *ALLIUM VICTORIALIS* L.280096. *CUCUMIS SATIVUS* L. Cucurbitaceae.

Cucumber.

Hybrid 18. From the Ukraine.

**280097. ORYZA SATIVA L. Poaceae.****Rice.**

From the Philippine Islands. Seeds presented by the Department of Agriculture and Natural Resources, Manila. Received Apr. 5, 1962.

BPI-76.

**280098 to 280126.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Apr. 5, 1962. Original countries of origin as indicated.

280098 to 280121. *GLYCINE JAVANICA* L. Fabaceae.

280098. CQ 358.

280099. C.P.I. 13300. Southern Rhodesia.

280100. C.P.I. 16417 Ibadan, Nigeria.

280101. C.P.I. 16673 Southern Rhodesia. (Indigenous).

280102. C.P.I. 16830. Worcester, South Africa.

280103. C.P.I. 17185. Ibadan, Nigeria.

280104. C.P.I. 17673. Gatsoma, Southern Rhodesia.

280105. C.P.I. 18103. Rio de Janeiro, Brazil.

280106. C.P.I. 18419. "Choma strain". Northern Rhodesia.

280107. C.P.I. 23411. Cuba.

280108. C.P.I. 25296. Pretoria, South Africa.

280109. C.P.I. 25333. Kenya (K 5735).

280110. C.P.I. 25421. Chilanga, Northern Rhodesia, via Mazoe, Southern Rhodesia. "Citrus strain".

280111. C.P.I. 25422. Chilanga, Northern Rhodesia via Choma.

280112. C.P.I. 25423. Northern Rhodesia.

280113. C.P.I. 25431. Limbe, Nyasaland.

280114. C.P.I. 25701. Lilongwe, Nyasaland. "South African strain".

**280098 to 280126—Continued****280098 to 280121—Continued**

280115. C.P.I. 25702. Kongwa, Tanganyika.

280116. C.P.I. 25919. Kasama, Northern Rhodesia.

280117. C.P.I. 27834. Sao Paulo, Brazil.

280118. C.P.I. 27835. Sao Paulo, Brazil.

280119. C.P.I. 28230. Sao Paulo, Brazil.

280120. C.P.I. 28277. 'Nelspruit'. Marandellas, Southern Rhodesia.

280121. C.P.I. 28278. 'Norval's Special'. Marandellas, Southern Rhodesia.

280122. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. **Leadtree.**

C.P.I. 18614. Buenos Aires, Argentina. Received as *L. glauca*, a synonym.

280123. *LOTONONIS BAINESII* Baker. Fabaceae.

C.P.I. 16833. Worcester, South Africa.

280124. *PHASEOLUS ATROPURPUREUS* DC. Fabaceae.

CQ. 364. 'Sinatro A'.

280125. *SETARIA SPHACELATA* (Schum.) Stapf & Hubbard Poaceae.

C.P.I. 19921. Pretoria, South Africa.

280126. *VIGNA MARINA* (Burm.) Merr. Fabaceae.

C.P.I. 21347. Turrialba, Costa Rica.

280127. *PORTULACA OLERACEA* L. Portulacaceae. **Purslane.**

From Turkey. Seeds presented by the United States Embassy, Ankara. Received Apr. 6, 1962.

'Senizote' or Turkish Salad Plant.

280128. *RHYNCHOSIA MINIMA* (L.) DC. Fabaceae.

From the United States Virgin Islands. Seeds presented by the Virgin Islands Agricultural Program, Agricultural Research Service, Kingshill, St. Croix. Received Apr. 6, 1962.

280129. *VICIA SATIVA* L. Fabaceae. **Common vetch.**

From the Netherlands. Seeds presented by the Central Bureau, Nationale Cooperatieve Aan-en Verkoopvereniging voor de Landbouw, Rotterdam. Received Apr. 6, 1962.

**280130 to 280133.**

From British Guiana. Seeds presented by the Agency for International Development, Georgetown. Received Apr. 6, 1962.

280130. *PHASEOLUS LATHYROIDES* L. Fabaceae.

Grows as weed in fields, Central Experiment Station, Mon Repos. Plant to 4 feet high, much branched; flower velvety red.

280131. *VIGNA LUTEOLA* (Jacq.) Benth. Fabaceae.

Collected near Mon Repos. Plant climber to 31.5 feet; does well on wet, dry and very acidic soil; flowers yellow; pods to 3 inches long, black.

280132. *VIGNA VEXILLATA* (L.) A. Rich.

Growing in bermudagrass. Plant climber, to 20 feet.

280133. *VIGNA* sp.

Growing in bermudagrass in damp situation, Central Experiment Station, Mon Repos. Plant in full bloom, apparently very disease resistant.



**280134 to 280196.**

From the Netherlands. Plants purchased from the Old Farm Nurseries, Boskoop. Received Apr. 9, 1962.

**280134.** *ABIES CEPHALONICA* Loud. Pinaceae. **Greek fir.**  
'Nana'. From L. Konjin & Company, Reeuwijk.

**280135 to 280148.** *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Pinaceae. **Lawson falsecypress.**

From L. Konjin & Company, Reeuwijk.

<b>280135.</b> 'Caudata'.	<b>280142.</b> 'Maas'.
<b>280136.</b> 'Columnaris'.	<b>280143.</b> 'Nivea'.
<b>280137.</b> 'Ericoides'.	<b>280144.</b> 'Pendula'.
<b>280138.</b> 'Filiformis Erecta'.	<b>280145.</b> 'Pres. Roosevelt'.
<b>280139.</b> 'Fletcheri Reuthe'.	<b>280146.</b> 'Pulcherrima'.
<b>280140.</b> 'Glauca Lombarts'.	<b>280147.</b> 'Triumph van Lombarts'.
<b>280141.</b> 'Lutea Nana'.	<b>280148.</b> 'Winston Churchill'.

**280149.** *CHAMAECYPARIS NOOTKATENSIS* (Lambert) Spach. **Nootka falsecypress.**

'Aurea Variegata'. From L. Konjin & Company, Reeuwijk.

**280150 and 280151.** *CHAMAECYPARIS OBTUSA* f. *LYCOPODIODES* (Gord.) Beissner

**280150.** No data.

**280151.** 'Aurea'.

**280152.** *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl. **Hinoki falsecypress.**

'Pygmaea Aurescens'. Received as *C. obtusa pygmaea*.

**280153.** *CRYPTOMERIA JAPONICA* (L.f.) D. Don Pinaceae. **Common cryptomeria.**

'Globosa'. From L. Konjin & Company, Reeuwijk.

**280154 to 280158.** *FAGUS SYLVATICA* L. Fagaceae. **European beech.**  
From the Trompenburg Pinetum, Rotterdam.

**280154.** 'Ansorgei'. **280157.** 'Quercifolia'.

**280155.** 'Interrupta'. **280158.** 'Rohani'.

**280156.** 'Interrupta Purpurea'.

**280159.** *JUNIPERUS COMMUNIS* var. *NIPPONICA* (Maxim.) Wilson Pinaceae.

From L. Konjin & Company, Reeuwijk.

**280160.** *JUNIPERUS COXII* A. B. Jacks.

**280161 and 280162.** *JUNIPERUS SABINA* L. **Savin juniper.**

**280161.** 'Variegata'.

**280162.** 'Fastigiata'. From L. Konjin & Company, Reeuwijk.

**280163.** *JUNIPERUS SCOPULORUM* Sargent

'Skyrocket'.

**280164.** *JUNIPERUS SQUAMATA* Buch.-Ham. ex Lambert

'Wilsonii'. From L. Konjin & Company, Reeuwijk.

**280165.** *LAVANDULA OFFICINALIS* Chaix ex Vill. Menthaceae.

'Hidcote'.

## 280134 to 280196—Continued

- 280166 and 280167. *LIRIODENDRON TULIPIFERA* L. Magnoliaceae. Tuliptree.  
 From the Trompenburg Pinetum, Rotterdam.  
 280166. 'Heltorf'.  
 280167. 'Medio-Picta'.
- 280168 and 280169. *PICEA ABIES* (L.) Karst. Pinaceae. Norway spruce.  
 From L. Konjin & Company, Reeuwijk.  
 280168. 'Acrocona'.  
 280169. 'Hornibrookii'.
280170. *PICEA GLAUCA* (Moench) Voss White spruce.  
 'Echiniformis'. From L. Konjin & Company, Reeuwijk.
280171. *PICEA JEZOENSIS* (Sieb. & Zucc.) Carr. Yeddo spruce.  
 'Aurea'. From L. Konjin & Company, Reeuwijk.
280172. *PICEA OMORIKA* (Panic) Masters Serbian spruce.  
 From L. Konjin & Company, Reeuwijk, ex Ural Mountains.
280173. *PICEA PUNGENS* Engelm. Colorado spruce.  
 'Glauca Otto Von Bismark'. From L. Konjin & Company, Reeuwijk.
280174. *PINUS CEMBRA* L. Pinaceae. Swiss stone pine.  
 'Gimborn No. II'. From L. Konjin & Company, Reeuwijk.
280175. *PINUS NIGRA* var. *AUSTRIACA* (Hoess) C. Schneid.  
 'Aurea'.
- 280176 and 280177. *PINUS PARVIFLORA* Sieb. & Zucc. Japanese white pine.  
 280176. 'Gimborns Ideal No. I'. From L. Konjin & Company, Reeuwijk.  
 280177. 'Glauca'.
280178. *POTENTILLA FRUTICOSA* L. Rosaceae. Shrubby cinquefoil.  
 'Waltonensis'.
- 280179 and 280180. *PSEUDOTSUGA MENZIESII* (Mirb.) Franco Pinaceae.  
 Douglas-fir.  
 From L. Konjin & Company, Reeuwijk.
280179. 'Argentea Variegata'.
280180. 'Oudemansie'.
280181. *QUERCUS* (hybrid). Fagaceae.  
*Q. dentata* × *Q. pontica*. From the Trompenburg Pinetum, Rotterdam.
- 280182 and 280183. *QUERCUS* × *HECKELII* A. Camus  
 From the Trompenburg Pinetum, Rotterdam.  
 280182. Yellow veins.  
 280183. Red veins.
- 280184 to 280188. *TAXUS BACCATA* L. Taxaceae. English yew.  
 From L. Konjin & Company, Reeuwijk.  
 280184. 'Davisie'.  
 280185. 'Imperialis'.  
 280186. 'Jacksoni'.  
 280187. 'Major'.

**280134 to 280196—Continued****280184 to 280188—Continued**

280188. 'Nana'.

280189. *TAXUS BACCATA* var. *ADPRESSA STRICTA* (Carriere) Beissn.

'Stricta'. From L. Konjin &amp; Company, Reeuwijk.

280190. *THUJA OCCIDENTALIS* L. Pinaceae. Arborvitae.

'Buchananii'. From L. Konjin &amp; Company, Reeuwijk.

280191. *THUJA PLICATA* D. Don Giant arborvitae.

'Variegata'. From L. Konjin &amp; Company, Reeuwijk.

280192 and 280193. *THUJA OCCIDENTALIS* L. Arborvitae.

280192. 'Recurvata'. From L. Konjin &amp; Company, Reeuwijk.

280193. 'Wagneriana'. From L. Konjin &amp; Company, Reeuwijk.

280194. *THUJA PLICATA* D. Don Giant arborvitae.

'Stoneham Gold'. From L. Konjin &amp; Company, Reeuwijk.

280195. *TSUGA HETEROPHYLLA* (Raf.) Sarg. Pinaceae. Western hemlock.

'Conica'. From L. Konjin &amp; Company, Reeuwijk.

280196. *ULMUS GLABRA* Mill. Ulmaceae. Scotch elm.

'Nana'. From the Trompenburg Pinetum, Rotterdam.

**280197 and 280198.**

From Rhodesia. Seeds presented by the American Consulate General, Salisbury. Received Apr. 10, 1962.

280197. *GOSSYPIUM BARBADENSE* L. Malvaceae. Sea island cotton.Received as *G. barbadense* var. *africanum*. Selfed seed from Gatooma Research Station, S. Rhodesia.280198. *GOSSYPIUM BARBADENSE* var. *BRASILIENSE* (Macf.) Hutch. et al  
Open-pollinated seeds from Gatooma Research Station, S. Rhodesia.**280199 to 280206.**

From Mexico. Seeds collected and presented by L. L. Phillips, North Carolina State College, Raleigh. Received Apr. 10, 1962.

280199. *GOSSYPIUM BARBADENSE* L. Malvaceae. Sea island cotton.

C.B. 3574. From Jungapeo, 20 km. west of Tuxpan, Michoacan.

280200 to 280206. *GOSSYPIUM HIRSUTUM* L. Upland cotton.

280200. C.B. 3571. Larueles, 25 km. west of Zitacuaro, Michoacan.

280201. C.B. 3572. Larueles.

280202. C.B. 3573. Larueles.

280203. C.B. 3575. Jungapeo.

280204. C.B. 3576. Jungapeo.

280205. C.B. 3577. Sea-cliff, Mazatlan, Sinaloa.

280206. C.B. 3578. Playa Excondida, 5 km. north of Mazatlan, Sinaloa.

**280207 to 280213. GOSSYPIUM (hybrids). Malvaceae.**

From Egypt. Seeds presented by the Agricultural Attache, United States Embassy, Cairo. Received Apr. 10, 1962.

280207. 'Ashmouni'. Open pollinated.

280208. 'Bahtim 163'. Open pollinated.

280209. 'Bahtim 185'. Open pollinated. (Bahtim 185  $\times$  ?).



**280207 to 280213—Continued**

280210. 'Giza 47'. Open pollinated. Selection from Ashmouni.

280211. 'Menufi'. Open pollinated.

280212. Open pollinated, from breeding plots, chosen for flower and fruit characteristics.

280213. Open pollinated from breeding plots, from 'Ashmouni' type plant. Easy "shelling".

**280214 to 280227.**

From Greece. Seeds presented by the Extension Agriculturist, Dikea, North Evros Prefecture. Received Apr. 10, 1962.

280214 to 280218. *HELIANTHUS ANNUUS* L. Asteraceae. Sunflower.

280214. Agnantia village.

280215. Dikea village.

280216. Dilofofos village.

280217. Lavara village.

280218. Pentalofos village.

280219 and 280220. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.

280219. Dilofofos village.

280220. Orestias village.

280221 to 280227. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.

280221. Agnantia village.

280222. Dikea village.

280223. Dilofofos village.

280224. Lavara village.

280225. Ormenion village.

280226. Pentalofos village.

280227. Petrota village.

280228 and 280229. *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.

From Pakistan. Seeds presented by the East Regional Laboratories, Pakistan Council of Scientific and Industrial Research, Dacca. Received Apr. 10, 1962.

280228. 'Chaitali'.

280229. 'Falguni'.

**280230 to 2802255.**

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received Apr. 10, 1962.

280230. *BRASSICA CARINATA* A. Br. Brassicaceae.

Col. No. 8041. In gardens at Tippi, Illubabor Province. Elevation 1,800 meters. Cabbage to 2 meters high; stalks to 25 mm. in diameter; fruiting branches to 75 cm. across; leaves mostly towards growing tip, edible; seed used for cooking oil.

280231. *CUCUMIS* cf. *PUSTULATUS* Hook. f. in Oliv. Cucurbitaceae.

Col. No. 7523. Open rocky slopes above Acachi River about 3 km. north-east of main road to Acachi, Shoa Province. Plant in wild, perennial; tap root large, parsnip-like; stem prostrate, lithe; fruit nearly globose to oblong, to 35 mm. diameter, green striped when immature, yellow when ripe.

**280230 to 280255—Continued**

**280232.** *IPOMOEA CAIRICA* (L.) Sweet Convolvulaceae.

Col. No. 7771. Field at edge of thicket 7 km. north of Jimma, Kaffa Province. Elevation 1,780 meters. Plant rhizomatous, wild, creeping along surface; stem very slender, twining; flowers blue, 25 mm. across.

**280233.** *LEPISTEMON OWARIENSIS* (Beauv.) Hall. f. Convolvulaceae.

Col. No. 7837. Near bridge over Goggab River, Jimma-Bonga Road, 73 km. southwest of Jimma, Kaffa Province. Plant wild, vigorous twining vine; flowers yellow.

**280234 to 280254.** *PISUM SATIVUM* L. Fabaceae. **Pea.**

Cultivated in vicinity of Ambo, Shoa Province. Elevation 1,100 meters.

**280234 to 280237.** Seeds from Ambo market.

**280234.** Col. No. 7690.

**280236.** Col. No. 7692.

**280235.** Col. No. 7691.

**280237.** Col. No. 7693.

**280238 to 280245.** Seeds from Addis Ababa market.

**280238.** Col. No. 7694. 'Attar'.

**280242.** Col. No. 7698. 'Attar'.

**280239.** Col. No. 7695. 'Attar'.

**280243.** Col. No. 7699.

**280240.** Col. No. 7696.

**280244.** Col. No. 7700. 'Attar'.

**280241.** Col. No. 7697.

**280245.** Col. No. 7701. 'Attar'.

**280246 and 280247.** Seeds from Bonga market, Kaffa Province.

**280246.** Col. No. 7905.

**280247.** Col. No. 7906.

**280248 to 280250.** Tippi market, Illubabor Province. Grown at 1,300 meters under rain forest conditions.

**280248.** Col. No. 8028. 'Attar'.

**280249.** Col. No. 8029. 'Attar'.

**280250.** Col. No. 8030. 'Attar'.

**280251 to 280254.** Seeds from Ghimbi market, Wollega Province.

**280251.** Col. No. 8119.

**280252.** Col. No. 8120.

**280253.** Col. No. 8121.

**280254.** Col. No. 8122.

**280255.** *SOLANUM* sp. Solanaceae.

Col. No. 7542. Grows gregariously on south side of open, rocky, mountain slope near Addis Ababa, Shoa Province. Elevation 2,750 meters. Strongly spined, much branched, spreading shrub to 150 cm. high; leaves lustrous above, felted beneath; corolla spineless, to 25 mm. wide, mauve; fruit spineless, to 35 mm. diameter, yellow when ripe.

**280256.** *AGROPYRON SIBIRICUM* (Willd.) Beauv. Poaceae.  
**Siberian wheatgrass.**

From Poland. Seeds presented by the Instytutu Hodowli i Aklimatyzacji Roslin, Bydgoszcz. Received Apr. 11, 1962.

**280257.** *PYRUS PYRIFOLIA* (Burm.) Nakai Malaceae.

From Japan. Seeds presented by the Horticultural Experiment Station, Suzaka, Nagano-ken. Received Apr. 11, 1962.

Received as *P. serotina*, a synonym.

## 280258 to 280261.

From Spain. Seeds procured under Public Law 480 from the Instituto de Investigaciones Agronomicas, Madrid. Received Apr. 11, 1962.

280258. *HEDYSARUM HUMILE* L. ex Loefl. Fabaceae.

Field No. 21.

280259. *ONOBRYCHIS ARGENTEA* Boiss. Fabaceae.

Field No. 3.

280260. *TRIFOLIUM DUBIUM* Sibth. Fabaceae.

Small hopclover.

Field No. 19.

280261. *TRIFOLIUM REPENS* L.

Whiteclover.

Field No. 16.

280262. *SAPIUM SEBIFERUM* (L.) Roxb. Euphorbiaceae.

Chinese tallowtree.

From China. Seeds presented by the College of Chemical Technology, North Dakota State University, Fargo. Received Apr. 11, 1962.

Received as *Stillingia*, from Taipei, Taiwan.

## 280263 to 280382.

From the United States. Plants collected from the wild and now established at the University of Alaska, Palmer, Alaska, unless otherwise noted. Numbered Apr. 12, 1962.

280263. *AMELANCHIER ALNIFOLIA* Nutt. ex Roemer Malaceae.

MAN 60-26. Collected at Manley Hot Springs. Now at Fairbanks.

280264. *FRAGARIA* (hybrid). Rosaceae.

No. 9. A Sitka hybrid.

280265 to 280273. *FRAGARIA CHILOENSIS* (L.) Duchesne Chiloe strawberry.

280265. No. 11. Hichinbrook Island, Boswell Bay.

280266. CDV 61-15. Mile 14, Copper River Highway, Cordova.

280267. CDV 61-16. Hichinbrook Island, Cordova.

280268. CDV 61-16. Mile 14, Copper River Highway, Cordova.

280269. JUN 61-24. Cutbank near Auke Lake.

280270. YAK 61-19. Mouth of Situk River, 20 miles south of Yakutat.

280271. YAK 61-20. On gravel near airport, Yakutat.

280272. YAK 61-20. Mouth of Situk River, Yakutat.

280273. YAK 61-21. On gravel near Yakutat airport.

280274 and 280275. *FRAGARIA GLAUCA* (S. Wats.) Rydb.

280274. BGD 61-27. Jarvis Creed near Big Delta.

280275. MAN 60-27. Collected at Manley Hot Springs. Now at Fairbanks.

280276 to 280278. *MENZIESIA FERRUGINEA* J. E. Smith Ericaceae.

280276. Collected 8 miles north of Seward.

280277. CDV 61-10. Collected at Cabin Road Lake, Cordova.

280278. SWD 61-4. Collected 8 miles north of Seward.

280279. *POTENTILLA BIFLORA* Willd. ex Schlecht. Rosaceae. Cinquefoil.

Collected at Cordova.



**280263 to 280382—Continued**

- 280280 to 280283.** *RHODODENDRON LAPPONICUM* Wahlenb. Ericaceae.
280280. Collected at Chandalar Lake. Now at Fairbanks.
280281. UMT 61-30. Collected at Umiat. Now at Fairbanks.
280282. UMT 61-30 (17). Collected on lower slope, Umiat Mountain.
280283. UMT 61-30. Collected on lower slope Umiat Mountain.
- 280284 to 280290.** *RIBES HUDSONIANUM* Richards Grossulariaceae.
280284. CDV 61-13. Collected at moraine, Sheridan Glacier, Cordova.
280285. CDV 61-14. Collected at moraine, Sheridan Glacier, Cordova.
280286. FY 60-19. Collected at Old Rampart, Fort Yukon. Now at Fairbanks.
280287. JUN 61-27. Collected at Mile 12, Juneau Highway, Juneau.
280288. JUN 61-26. Collected at Mile 12, Juneau Highway, near Auke Bay.
280289. VDZ 61-6. Collected 20 miles north of Valdez.
280290. VDZ 61-8. Collected 3 miles south of Tiekkel Roadhouse, Richardson Highway.
- 280291 to 280294.** *RIBES TRIESTE* Pall.
280291. KI 60-5 (2). Collected at north end of North Kenai Road.
280292. KI 60-5 (3). Collected at north end of North Kenai Road.
280293. UMT 61-29. Collected on mountain slope north of Umiat airstrip.
280294. UMT 61-31. Collected on slope of Umiat Mountain, arctic Alaska.
- 280295 and 280296.** *RUBUS ACAULIS* Michx. Rosaceae.
280295. FY 60-18. Collected at Old Rampart, Fort Yukon. Now at Fairbanks.
280296. TAN 60-24. Collected at Tanana. Now at Fairbanks.
- 280297 to 280299.** *RUBUS ARCTICUS* L.
280297. CDV 61-12. Collected along Cabin Lake Road, Cordova.
280298. CDV 61-13. Collected in Cordova townsite.
280299. UNA 60-40.
- 280300 to 280303.** *RUBUS CHAMAEMORUS* L.
280300. KI 60-3. Collected in vicinity of Ohlson Mountain, Kenai Peninsula.
280301. KI 60-9. Collected at end of North Fork Road, Kenai Peninsula.
280302. MDR 61-32. Collected along Meade Road, 60 miles south of Barrow.
280303. VDZ 61-7. Collected at Blueberry Lake, Thompson Pass.
- 280304 to 280310.** *RUBUS IDAEUS* L. **European raspberry.**
280304. FY 60-16. Collected at Stevens Village. Now at Fairbanks.
280305. FY 60-17. Collected at Old Rampart, Fort Yukon. Now at Fairbanks.
280306. FY 60-20. Collected at Fort Yukon. Now at Fairbanks.
280307. KI 60-2. Collected along side road near Hope.
280308. KI 60-4. Collected at end of North Kenai Road, Kenai Peninsula.

## 280263 to 280382—Continued

## 280304 to 280310—Continued

280309. McG 60-36. Collected at McGrath.

280310. NEN 60-25. Collected at Nenana. Now at Fairbanks.

280311 and 280312. *RUBUS PARVIFLORUS* Nutt. **Whiteflowering raspberry.**

280311. JUN 61-25. Collected at Mile 12, Juneau Highway, near Auke Bay. Collected as *R. nutkanus*.

280312. JUN 61-26. Collected at Mile 12, Juneau Highway, Juneau.

280313 to 280330. *RUBUS SPECTABILIS* Pursh

280313. JUN 61-23. Collected at Mile 12 Juneau Highway, Auke Bay.

280314. JUN 61-24. Collected at Mile 12 Juneau Highway, Auke Bay.

280315. JUN 61-24 (11). Collected at Mile 12 Juneau Highway, Auke Bay.

280316. JUN 61-24 (12). Collected at Mile 12 Juneau Highway, Auke Bay.

280317. KOD 60-50. Collected along Millbay Road.

280318. KOD 60-52 (26). Kodiak Island.

280319. KOD 60-52 (28). Kodiak Island.

280320. KOD 60-52 (29). Kodiak Island.

280321. KOD 60-52. Collected at Anton Larsen Bay, Kodiak Island.

280322. KOD 60-52 (34). Collected at Anton Larsen Bay, Kodiak Island.

280323. KOD 60-52 (35). Collected at Anton Larsen Bay, Kodiak Island.

280324. SWD 61-1. Collected 8 miles north of Seward.

280325. VDZ 61-5. Collected on beach near old Valdez townsite.

280326. VDZ 61-8 (37). Collected on beach near old Valdez townsite.

280327. VDZ 61-8 (38). Collected on beach near old Valdez townsite.

280328. VDZ 61-8 (39). Collected on beach near old Valdez townsite.

280329. VDZ 61-8 (40). Collected on beach near old Valdez townsite.

280330. YAK 61-18. Collected 2 miles from Yakutat airport, village road.

280331. *RUBUS* sp.

No. 25.

280332. *RUBUS* sp.

KUSK 60.

280333. *SORBUS SITCHENSIS* Roemer Malaceae.

280334. *SPIRAEA BEAUVERDIANA* Schneid. Rosaceae.

Collected at Blueberry Lake, Thompson Pass.

280335 to 280338. *TSUGA MERTENSIANA* (Bong.) Carr. Pinaceae.  
**Mountain hemlock.**

280335. Collected 8 miles north of Seward.

280336. CDV 61-14. Collected along Cabin Lake Road, Cordova.

280337. CDV 61-15. Collected along Cabin Lake Road, Cordova.

280338. SWD 61-5. Collected 8 miles north of Seward.

**289263 to 280382—Continued**

**280339.** *VACCINIUM ALASKAENSE* Howell *Vacciniaceae*.

SWD 61-3. Collected 25 miles north of Seward.

**280340 and 280341.** *VACCINIUM MEMBRANACEUM* Dougl.

**280340.** SWD 61-3 (7). Collected 11 miles north of Seward.

**280341.** SWD 61-3 (8). Collected 11 miles north of Seward.

**280342 to 280360.** *VACCINIUM OVALIFOLIUM* Smith **Ovalleaf whortleberry.**

**280342.** CDV 61-9. Collected along Cabin Lake Road, Cordova.

**280343.** CDV 61-10 (1). Collected along Cabin Lake Road, Cordova.

**280344.** CDV 61-10 (4). Collected along Cabin Lake Road, Cordova.

**280345.** CDV 61-10 (5). Collected along Cabin Lake Road, Cordova.

**280346.** YAK 61-18. Collected at Mile 1, road to Yakutat.

**280347.** JUN 61-21. Collected at Mile 12, Juneau Highway, Auke Bay.

**280348.** JUN 61-22. Collected at Mile 15, Juneau Highway, Auke Bay.

**280349.** JUN 61-22 (2). Collected at Mile 12, Juneau Highway, Auke Bay.

**280350.** JUN 61-22 (6). Collected at Mile 12, Juneau Highway, Auke Bay.

**280351.** JUN 61-23. Collected at Mile 15, Juneau Highway, Auke Bay.

**280352.** KOD 60-51. Collected along Millbay Road, Kodiak Island.

**280353.** MAN 60-28. Collected at Manley Hot Springs. Now at Fairbanks.

**280354.** SWD 61-2. Collected 8 miles north of Seward.

**280355.** SWD 61-2 (3). Collected 8 miles north of Seward.

**280356.** SWD 61-2 (4). Collected 8 miles north of Seward.

**280357.** SWD 61-2 (5). Collected 8 miles north of Seward.

**280358.** SWD 61-4. Collected 3 miles from Hope Road, junction on Seward Highway.

**280359.** YAK 61-17. Collected 2 miles from Yakutat airport, village road.

**280360.** YAK 61-18. Collected at Mile 1, road to Yakutat.

**280361 to 280380.** *VACCINIUM ULIGINOSIS* L. **Blueberry.**

**280361.** No. 9.

**280362.** No. 11.

**280363.** ANV 61-31. Collected at Anakuvuk Pass.

**280364.** CDV 61-11. Collected at Mile 20, Copper River Highway, Cordova.

**280365.** CDV 61-12 (8). Collected at Mile 20, Copper River Highway, Cordova.

**280366.** CDV 61-12 (10). Collected at Mile 20, Copper River Highway, Cordova.

**280367.** FY 60-21. Collected at Arctic Village. Now at Fairbanks.

**280368.** FY 60-22. Collected at Chandalar Lake. Now at Fairbanks.

**280369.** KUSK 0-49.

**280370.** UMT 61-28. Collected at base of Umiat Mountain.

**280371.** UMT 61-28. Collected at Umiat. Now at Fairbanks.



**280263 to 280382—Continued****280361 to 280380—Continued**

280372. VDZ 61-6. Collected at Blueberry Lake, Thompson Pass.  
 280373. VDZ 61-7. Collected 12 miles north of Tiekel Roadhouse, Richardson Highway.  
 280374. VDZ 61-9 (1). Collected 24 miles north of Valdez.  
 280375. VDZ 61-9 (2). Collected 24 miles north of Valdez.  
 280376. VDZ 61-9 (10). Collected 24 miles north of Valdez.  
 280377. VDZ 61-9 (12). Collected 24 miles north of Valdez.  
 280378. VDZ 61-9 (13). Collected 24 miles north of Valdez.  
 280379. VDZ 61-9 (14). Collected 24 miles north of Valdez.  
 280380. YAK 61-18. Collected at Mile 1, road to Yakutat.

**280381 and 280382. VACCINIUM VITIS-IDAEA L.****Cowberry.**

280381. MAN 60-29. Collected at Manley Hot Springs. Now at Fairbanks.  
 280382. MAN 60-30. Collected at Manley Hot Springs. Now at Fairbanks.

**280383 to 280399.**

From the United States. Seeds collected from plants growing in the wild and now held at the University of Alaska, Palmer, Alaska. Numbered Apr. 16, 1962.

**280383 to 280387. FRAGARIA CHILOENSIS (L.) Duchesne****Rosaceae. Chiloe strawberry.**

280383. CDV 61-16. Collected on Hichinbrook Island, Cordova.  
 280384. JUN 61-24. Collected at Mile 11, Juneau Highway.  
 280385. YAK 61-19. Collected at Sitak.  
 280386. YAK 61-20. Collected near airport, Yakutat.  
 280387. YAK 61-20. Collected along road to beach, Yakutat.

**280388. RIBES HUDSONIANUM Richards****Grossulariaceae.**

JUN 61-26. Collected at Mile 12, Juneau Highway, near Auke Bay.

**280389. RUBUS CHAMAEMORUS L.****Rosaceae.**

Collected at Mile 30, Chena Hot Springs Road.

**280390. RUBUS PARVIFLORUS Nutt.****Whiteflowering raspberry.**

JUN 61-25. Collected at Mile 12, Juneau Highway.

**280391 to 280393. RUBUS SPECTABILIS Pursh**

280391. Collected in Cordova city.

280392. JUN 61-23. Collected at Mile 12, Juneau Highway. Red and orange fruited types.

280393. YAK 61-18. Collected at Yakutat.

**280394 to 280397. VACCINIUM OVALIFOLIUM Smith****Vacciniaceae.****Ovalleaf whortleberry.**

280394. Collected at Mile 1 from airport.

280395. JUN 61-21. Collected at Mile 12, Juneau Highway, Auke Bay.

280396. JUN 61-22. Collected at Mile 15, Juneau Highway, Auke Bay.

280397. YAK 61-17. Collected along beach road spruce forest, Yakutat.

**280383 to 280399—Continued**

280398. *VACCINIUM OXYCOCCOS* L. Small cranberry.

Collected at Mile 30, Chena Hot Springs road.

280399. *VACCINIUM* sp.

Collected at Mile 13, Juneau Highway, Auke Bay.

**280400 to 280403.**

From Israel. Budsticks presented by the Plant Introduction Service, National and University Institute of Agriculture, Rehovoth. Received Apr. 12, 1962.

280400 and 280401. *MALUS SYLVESTRIS* Mill. Malaceae.

280400. 'Anna'.

280401. 'Ein Shemer'.

280402 and 280403. *MORUS* sp. Moraceae.

280402. 'Shami'.

280403. 'Tabouri'.

280404. *MEDICAGO HEMICYCLA* Grossh. Fabaceae.

From Italy. Seeds presented by the Food and Agriculture Organization of the United Nations, Rome. Received Apr. 16, 1962.

F.A.O. No. 10.913. Variety 16650 a. Perennial, originally from Georgia, U.S.S.R. Elevation to 1,700 meters.

280405. *PYRUS COMMUNIS* L. Malaceae.

From Great Britain. Budsticks presented by the East Malling Research Station, Kent, England. Received Apr. 17, 1962.

'Packham's Triumph B 424'.

280406. *CARICA PAPAYA* L. Caricaceae. Papaya.

From the Territory of New Guinea and Papua. Seeds presented by the Department of Agriculture, Stock and Fisheries, Konedobu, Port Moresby. Received Apr. 18, 1962.

280407. *POPULUS NIGRA* var. *ITALICA* Muenchh. Salicaceae. Lombardy poplar.

From the Netherlands. Trees purchased from the Old Farm Nurseries, Boskoop. Received Apr. 19, 1962.

'Herapa'.

280408 to 280414. *HELIANTHUS ANNUUS* L. Asteraceae. Sunflower.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Estacion Experimental Pergamino, Pergamino. Received Apr. 19, 1962.

280408. 'Vniimk No. 1646'.

280412. 'Seleccion 10 T'.

280409. 'De Simoni G-3'.

280413. 'Seleccion Klein'.

280410. 'De Simoni H-3'.

280414. 'Seleccion Massaux'.

280411. 'Manfredi Inta'.

280415. *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.

From Kuwait. Seeds presented by the Public Works Department, Government of Kuwait, Arabian Gulf. Received Apr. 20, 1962. From Kuwait Market.

**280416 to 280426.**

From Great Britain. Seeds presented by the Plant Breeding Institute, Trumpington, Cambridge, England. Received Apr. 20, 1962.

**280416 to 280425.** *HORDEUM VULGARE* L. Poaceae.

**280416.** HB 279/5/1/3.

**280421.** 'Union'.

**280417.** HB 281/6/5/9.

**280422.** 'Vada'.

**280418.** 'Lyallpur BS'. C1 3395.

**280423.** 'Volla'.

**280419.** 'Pirolina'.

**280424.** 'Weihenstephaner II'.

**280420.** 'Proctor'.

**280425.** 'Wisa'.

**280426.** *TRITICUM VAVILOVII* (Tuman.) Jakub. ex Zhuk. Poaceae.

**280427 to 280464.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Apr. 20, 1962.

**280427.** *AVENA SATIVA* L. Poaceae.

**Common oats.**

No. 3707. 'Lokhovskiy'. Germany. Received as *A. sativa* var. *aurea*.

**280428.** *AVENA SATIVA* var. *ARISTATA* Schlecht.

No. 8257. 'Sovetsky'. The Ukraine.

**280429 to 280431.** *AVENA SATIVA* var. *MUTICA* Schlecht.

**280429.** No. 7965. 'Pobeda'. Sweden.

**280430.** No. 8494. 'Orel'. Leningrad Region.

**280431.** No. 10790. 'L'Govskiy 1026'. Kursk Region.

**280432 and 280433.** *FAGOPYRUM ESCULENTUM* Moench Polygonaceae.

**Buckwheat.**

**280432.** No. 431. 'Bogatyr'. Orel Region, U.S.S.R.

**280433.** No. 3767. 'Kalininskaya'. Kalinin Region.

**280434 and 280435.** *FAGOPYRUM SAGITTATUM* Gilib.

**280434.** No. 3777. 'Kazanskaya'. Tataria, U.S.S.R.

**280435.** No. 4048. 'Satilovskaya 4'. Orel Region.

**280436 to 280440.** *HORDEUM DISTICHON* var. *PALMELLA* Harlan Poaceae.

Received as *H. distichon* var. *nutans*, a synonym.

**280436.** No. 8514. 'Viner'. Kirov Region.

**280437.** No. 11846. 'Europeum 353/133'. Kharkov Region.

**280438.** No. 16877 'Kazansky 6/4'. Kazan Region.

**280439.** No. 16954. 'Nutans 187'. Saratov Region.

**280440.** No. 16953. 'Submedicum'. Saratov Region.

**280441 to 280444.** *HORDEUM VULGARE* var. *PALLIDUM* Seringe

**280441.** No. 8306. 'Chervonetz'. Trkutsik Region.

**280442.** No. 13099. 'Common Mozdoksky'. North Ossetia, U.S.S.R.

**280443.** No. 15240. 'Dagestansky'. Daghestan, U.S.S.R.

**280444.** No. 16947. 'Krasnodarsky 1918'. Krasnodar Territory, U.S.S.R.

**280445 to 280460.** *TRITICUM AESTIVUM* L. Poaceae.

**Common wheat.**

**280445 to 280454.** Spring type.

**280445.** No. K-8085. 'Lutescens Garnet'. Canada.

**280446.** No. K-15183. 'Lutescens Lutescens 62'. Saratov, U.S.S.R.



**280427 to 280464—Continued****280445 to 280460—Continued****280445 to 280454—Continued**

280447. No. K-25019. 'Milturum Diamond'. Sweden.  
 280448. No. K-28310. 'Albornbrum-Sarrura'. Saratov, U.S.S.R.  
 280449. No. K-34705. 'Milturum 553'. Omsk.  
 280450. No. K-34706. 'Albidum 3700'. Omsk.  
 280451. No. K-38519. 'Graecum Moskovka'. Moscow.  
 280452. No. K-38783. 'Milturum Iskra'. Chelabinsk.  
 280453. No. K-41173. 'Lutescens Skala'. Trkutsk.  
 280454. No. K-42154. 'Milturum Narimskaya 246'. Tomsk.

**280455 to 280460. Winter type.**

280455. No. K-28313. 'Erythrospermum 917'. Kharkov.  
 280456. No. K-38282. 'Velutinum Stepnaya'. Voronez.  
 280457. No. K-38289. 'Wheat-wheatgrass hybrid 599'. Moscow.  
 280458. No. K-38441. 'Erythrospermum Odessdaya 3'. Odessa.  
 280459. No. K-40645. 'Lutescens 230'. Taratov.  
 280460. No. K-40651. 'Erythrospermum Skorospelka 3'. Krasnodar.

**280461 to 280464. TRITICUM DURUM Desf.****Durum wheat.**

Spring type.

280461. No. K-11372. 'Gordeiforme Hordeiforme'. Saratov.  
 280462. No. K-11375. 'Melyanopus Melanopus 69'. Saratov.  
 280463. No. K-38514. 'Narodnaya Narodnaja'. Kharkov.  
 280464. No. K-41604. 'Hordeiforme Kharkovskaya 46'. Kharkov.

**280465 to 280483.**

From Germany. Plants purchased from Herm A. Hesse, Baumschulen, Weener. Received Apr. 20, 1962.

280465. ABIES ALBA f. PENDULA (Carr.) Rehder Pinaceae.  
 280466. CEDRUS DEODARA (Lamb.) Loud. Pinaceae. **Deodar cedar.**  
 'Zwerg'.  
 280467. CEDRUS LIBANII subsp. STENOCOMA (Schwarz) Davis  
 280468. PICEA ABIES (L.) Karst. Pinaceae. **Norway spruce.**  
 'Ajanensis'.  
 280469 and 280470. PICEA JEZOENSIS (Sieb. & Zucc.) Carr. **Yeddo spruce.**  
 280469. 'Aurea'.  
 280470. 'Nymphenburg'.  
 280471. PICEA ABIES f. ARGENTEO-SPICA (Beiss.) Rehder Pinaceae.  
 280472. PICEA MARIANA (Mill.) B.S.P.  
 'Beissneri'.  
 280473. PICEA OMORIKA (Panic) Masters **Serbian spruce.**  
 'Nana'.  
 280474. PICEA ORIENTALIS (L.) Link **Oriental spruce.**  
 'Nutans'.  
 280475. PICEA POLITA (Sieb. & Zucc.) Carr.  
 Tips pendulous.

**280465 to 280483—Continued**

280476. *PICEA SCHRENKIANA* Fisch. & M y. Schrenk spruce.  
 280477. *PICEA BICOLOR* (Maxim.) Mayr  
 280478. *PINUS DENSIFLORA* Sieb. & Zucc. Pinaceae. Japanese red pine.  
 'Pumila'.  
 280479. *PINUS HELDREICHII* var. *LEUCODERMIS* (Ant.) Markgraf  
 'Aureo-spicata'. Received as *P. leucodermis aureo-spicata*.  
 280480. *PINUS MUGO* Turra. Swiss mountain pine.  
 'Hessei'.  
 280481. *PINUS CEMBRA* L. Swiss stone pine.  
 'Pigmaea'.  
 280482. *PSEUDOTSUGA MENZIESII* (Mirb.) Franco Pinaceae. Douglas-fir.  
 'Fletcheri'.  
 280483. *TSUGA MERTENSIANA* (Bong.) Carr. Pinaceae. Mountain hemlock.  
 'Argentea'.

**280484 to 280486.**

From Canada. Plants presented by the Royal Botanical Gardens, Hamilton, Ontario. Received Apr. 23, 1962.

280484. *BUXUS SEMPERVIRENS* L. Buxaceae. Common box.  
 'Woodland'.  
 280485. *CERCIS GRIFFITHII* Bois. Caesalpiniaceae.  
 280486. *CORNUS* sp. Cornaceae.

**280487 to 280531. GOSSYPIUM (hybrids). Malvaceae.**

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuria, Buenos Aires. Received Apr. 23, 1962. Reciprocal crosses between 'Pima S-2' and southern "Wild barbadense".

280487. SP 135. 'Pima S-2'  $\times$  'Mataco I'.  
 280488. SP 136. 'Pima S-2'  $\times$  'Mataco II'.  
 280489. SP 137. 'Pima S-2'  $\times$  'Mataco III' (Recip. of SP 154).  
 280490. SP 138. 'Pima S-2'  $\times$  'Mataco IV' (Recip. of SP 155).  
 280491. SP 139. 'Pima S-2'  $\times$  'Diaguita V' (Recip. of SP 156).  
 280492. SP 140. 'Pima S-2'  $\times$  'Diaguita VI' (Recip. of SP 157).  
 280493. SP 141. 'Pima S-2'  $\times$  'Diaguita VII' (Recip. of SP 158).  
 280494. SP 142. 'Pima S-2'  $\times$  'Diaguita VIII'.  
 280495. SP 144. 'Pima S-2'  $\times$  'Diaguita X'.  
 280496. SP 146. 'Pima S-2'  $\times$  'Guarani XI' (Recip. of SP 163).  
 280497. SP 147. 'Pima S-2'  $\times$  'Guarani XII' (Recip. of SP 164).  
 280498. SP 148. 'Pima S-2'  $\times$  'Guarani XIII' (Recip. of SP 165).  
 280499. SP 149. 'Pima S-2'  $\times$  'Guarani XIV' (Recip. of SP 166).  
 280500. SP 150. 'Pima S-2'  $\times$  'Guarani XV' (Recip. of SP 167).  
 280501. SP 151. 'Pima S-2'  $\times$  'Guarani XVI' (Recip. of SP 168).  
 280502. SP 154. 'Mataco III'  $\times$  'Pima S-2' (Recip. of SP 137).  
 280503. SP 155. 'Mataco IV'  $\times$  'Pima S-2' (Recip. of SP 138).

**280487 to 280531—Continued**

280504. SP 156. 'Diaguaita V' × 'Pima S-2' (Recip. of SP 139).  
 280505. SP 157. 'Diaguaita VI' × 'Pima S-2' (Recip. of SP 140).  
 280506. SP 158. 'Diaguaita VII' × 'Pima S-2' (Recip. of SP 141).  
 280507. SP 159. 'Diaguaita VIII' × 'Pima S-2'.  
 280508. SP 163. 'Guarani XI' × 'Pima S-2' (Recip. of SP 146).  
 280509. SP 164. 'Guarani XII' × 'Pima S-2' (Recip. of SP 147).  
 280510. SP 165. 'Guarani XIII' × 'Pima S-2' (Recip. of SP 148).  
 280511. SP 166. 'Guarani XIV' × 'Pima S-2' (Recip. of SP 149).  
 280512. SP 167. 'Guarani XV' × 'Pima S-2' (Recip. of SP 150).  
 280513. SP 168. 'Guarani XVI' × 'Pima S-2' (Recip. of SP 151).  
 280514. SP 169. 'Coastland RN' × 'Mataco I' (Recip. of SP 186).  
 280515. SP 171. 'Coastland RN' × 'Mataco III' (Recip. of SP 188).  
 280516. SP 173. 'Coastland RN' × 'Guarani XI' (Recip. of SP 197).  
 280517. SP 174. 'Coastland RN' × 'Guarani XII' (Recip. of SP 198).  
 280518. SP 175. 'Coastland RN' × 'Guarani XIII' (Recip. of SP 199).  
 280519. SP 176. 'Coastland RN' × 'Guarani XIV'.  
 280520. SP 179. 'Coastland RN' × 'Diaguaita V'.  
 280521. SP 180. 'Coastland RN' × 'Diaguaita VI'.  
 280522. SP 181. 'Coastland RN' × 'Diaguaita VII'.  
 280523. SP 184. 'Coastland RN' × 'Diaguaita X' (Recip. of SP 195).  
 280524. SP 186. 'Mataco I' × 'Coastland RN' (Recip. of SP 169).  
 280525. SP 188. 'Mataco III' × 'Coastland RN' (Recip. of SP 171).  
 280526. SP 189. 'Mataco IV' × 'Coastland RN'.  
 280527. SP 195. 'Diaguaita X' × 'Coastland' (Recip. of SP 184).  
 280528. SP 197. 'Guarani XI' × 'Coastland RN' (Recip. of SP 173).  
 280529. SP 198. 'Guarani XII' × 'Coastland RN' (Recip. of SP 174).  
 280530. SP 199. 'Guarani XIII' × 'Coastland RN' (Recip. of SP 175).  
 280531. SP 201. 'Guarani XV' × 'Coastland RN'.

**280532. SOLANUM TUBEROSUM L. Solanaceae.****Potato.**

From Germany. Tubers presented by the Max Planck Institut, Koln-Vogelsang. Received Apr. 26, 1962.

Clone 49.540/2. High resistance to leafroll virus.

**280533. CITRUS SINENSIS (L.) Osbeck Rutaceae.****Orange.**

From Spain. Seeds presented by Celia Fuerbes, Valencia. Received Apr. 30, 1962.

From Burriana orchard.

**280534 to 280544.**

From Japan. Seeds presented by the Agricultural Experiment Station, Okit-su-Machi, Shizuoka-ken. Received Apr. 30, 1962.

**280534. CITRUS AUREA Tanaka Rutaceae.**

Local name: Kawabato-mikan.

**280535. CITRUS CANALICULATA Tanaka**

Local name: Kiku-dai-dai.



**280534 to 280544—Continued**

280536. CITRUS FUNADOKO Tanaka

Local name: Funadoka-nikan.

280537. CITRUS MEDIOGLOBOSA Tanaka

280538. CITRUS RUGULOSA Tanaka

Local name: At Anni.

280539. CITRUS SINOGRANDIS Tanaka

Local name: Oto mikan.

280540. CITRUS TAMURANA Tanaka

Local name: Hyuganatsu-mikan.

280541. CITRUS (hybrid).

*C. oto* × *C. reticulata*.

280542. CITRUS ASAHIKAN Tanaka

280543. FORTUNELLA HINDSII (Champ.) Swingle Rutaceae.

Hongkong kumquat.

280544. FORTUNELLA OBOVATA Tanaka

Local name: Fukushu.

**280545 to 280547. VITIS (hybrids). Vitaceae.**

From France. Cuttings presented by the Station de Recherches de Viticulture, Pont-de-la-Maye. Received Apr. 30, 1962.

280545. Seyve Villard 39-522.

280546. Seyve Villard 39-639.

280547. Seyve Villard 46-434.

**280548. CUCUMIS MELO L. Cucurbitaceae.****Muskmelon.**

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received May 1, 1962.

'Yellow Export'.

**280549 to 280626.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received May 1, 1962.

280549 to 280552. ALLIUM ALTAICUM Pall. Liliaceae.

280549. No number. Hortus Botanicus, Estonia, Tartu.

280550. No. 327. Hortus Botanicus Arcto-Alpinus, Murmansk.

280551. No. 755. Alma-Ata, Kazakh.

280552. No. 1647.

280553 and 280554. ALLIUM CEPA L.

**Onion.**

280553. No. 51. 'Strigunovskij'.

280554. No. 435. 'Margelanskij'.

280555. ALLIUM CONDENSATUM Turcz.

Hortus Botanicus, Moscow.

280556. ALLIUM DROBOVI Vved.

No. 769. Botanical Garden, Alma-Ata, Kazakh.

280557 and 280558. ALLIUM DICTIOPRASUM C. A. Mey. ex Kunth

280557. Hortus Botanicus, Armenia.

280558. Hortus Botanicus, Moscow.

## 280549 to 280626—Continued

- 280559 to 280563. *ALLIUM FISTULOSUM* L. Welsh onion.  
 280559. Botanical Garden, Alma-Ata, Kazakh.  
 280560. Hortus Botanicus, Estonia, Tartu.  
 280561. No. 332. Hortus Botanicus Arcto-Alpinus, Murmansk.  
 280562. No. 1514. 'Pesoenyj'.  
 280563. No. 1634. 'Majskij 7'. Far East, U.S.S.R.
280564. *ALLIUM FUSCOVIOLACEUM* Fomine  
 Hortus Botanicus, Armenia.
- 280565 and 280566. *ALLIUM GALANTHUM* Kar. & Kir.  
 280565. Hortus Botanicus, Estonia, Tartu.  
 280566. No. 772. Botanical Garden, Alma-Ata, Kazakh.
280567. *ALLIUM GLACIALE* Vved.  
 No. 333. Hortus Botanicus Arcto-Alpinus, Murmansk.
- 280568 and 280569. *ALLIUM LEDEBOURIANUM* Schult. f.  
 280568. No. 334. Hortus Botanicus Arcto-Alpinus, Murmansk.  
 280569. No. 776. Botanical Garden, Alma-Ata, Kazakh.
- 280570 to 280571. *ALLIUM LONGICUSPIS* Regel  
 280570. No. 778. Botanical Garden, Alma-Ata, Kazakh.  
 280571. No. 1385. Hortus Botanicus, Moscow. (Bulbils).
280572. *ALLIUM ODORUM* L.  
 No. 918. 'Dusistyj'.
280573. *ALLIUM PLATYSPATHUM* Schrenk  
 No. 340. Hortus Botanicus Arcto-Alpinus, Murmansk.
- 280574 and 280575. *ALLIUM PORRUM* L. Leek.  
 280574. No. 2007. Kostov Region.  
 280575. No. 2078. Kostov Region.
- 280576 and 280577. *ALLIUM PSKEMENSE* B. Fedtsch.  
 280576. No. 784. Botanical Garden, Alma-Ata, Kazakh.  
 280577. No. 1388. Hortus Botanicus, Moscow.
- 280578 to 280580. *ALLIUM SCHOENOPRASUM* L. Chives.  
 280578. Hortus Botanicus, Estonia, Tartu.  
 280579. No. 1390. Hortus Botanicus, Moscow.  
 280580. No. 1670. 'Snitt Sibirskij'.
280581. *ALLIUM SCORODOPRASUM* L.  
 Hortus Botanicus, Estonia, Tartu.
280582. *ALLIUM SIBIRICUM* L.  
 Hortus Botanicus, Estonia, Tartu.
280583. *ALLIUM SPHAEROCEPHALON* L.  
 Hortus Botanicus, Moscow.
280584. *ALLIUM VAVILOVII* Popov & Vved.  
 No. 791. Botanical Garden, Alma-Ata, Kazakh.
- 280585 to 280587. *ALLIUM VICTORIALIS* L.  
 280585. Hortus Botanicus, Estonia, Tartu.

## 289549 to 280626—Continued

## 280585 to 280587—Continued

280586. No. 344. Hortus Botanicus Arcto-Alpinus, Murmansk.

280587. No. 1391. Hortus Botanicus, Moscow.

280588 to 280602. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

280588. No. 1695. 'Birincekutsij'. Common tomato.

280589. No. 1721. 'Novato'. Far East, U.S.S.R. Common tomato.

280590. No. 1727. 'Alpatjeva'. Moscow Region. Tree type tomato.

280591. No. 1944. 'Anait'. Armenia, U.S.S.R. Common tomato.

280592. No. 1949. 'Krasnodarec'. Volgograd Region. Tree type tomato.

280593. No. 1969. 'Greentovyj Gribovskij'. Moscow Region. Common tomato.

280594. No. 2022. 'Pecerskij'. Gorki Region. Common tomato.

280595. No. 2070. 'Delikates'. Byelorussia. Tree type tomato.

280596. No. 2162. 'Karlik'. Moscow Region. Tree type tomato.

280597. No. 2211. 'Maliutka'. The Ukraine. Common tomato.

280598. No. 2214. 'Voshod'. The Ukraine. Common tomato.

280599. No. 2217. 'Doneckij'. The Ukraine. Tree type tomato.

280600. No. 2320. 'Volgogradskij'. Volgograd Region. Tree type tomato.

280601. No. 2583. 'Kolhoznyj'. The Ukraine. Common tomato.

280602. No. 2729. 'Bukovinskij'. The Ukraine. Common tomato.

280603. *PISUM ELATIUS* Bieb. Fabaceae.

**Mediterranean pea.**

No. 2524. 'Palestinicum'. Palestine.

280604 to 280626. *PISUM SATIVUM* L.

**Pea.**

280604. No. 296. 'Amplissimo Local'. Saratov Region.

280605. No. 961. 'Amplissimo Local'. Trkutsj.

280606. No. 1632. 'Amplissimo Local'. Uzbekistan.

280607. No. 1827. 'Amplissimo Local'. India.

280608. No. 1881. 'Amplissimo Local'. Afghanistan.

280609. No. 2376. 'Amplissimo Local'. Georgia, U.S.S.R.

280610. No. 2759. Received as *P. abyssinicum*, a synonym.

280611. No. 4372. 'Amplissimo Viktoria Ukrainskaya'. Ukraine.

280612. No. 4456. 'Amplissimo Rannij Mozgovoj'. Moscow Region.

280613. No. 4457. 'Amplissimo Borec'. Moscow region.

280614. No. 4461. 'Amplissimo Neistoscimyj'. Moscow region.

280615. No. 4464. 'Amplissimo Pobeditel'. Moscow region.

280616. No. 4603. 'Amplissimo Zazerskij'. Byelorussia.

280617. No. 4635. 'Amplissimo Hamisepp'. Estonia.

280618. No. 4637. 'Amplissimo Ovosenoj'. Estonia.

280619. No. 4654. 'Amplissimo Tygevskij Kirju'. Estonia.

280620. No. 4885. 'Amplissimo Gorkovskij'. Gorki region.

280621. No. 4888. 'Amplissimo Spartanec'. Leningrad region.

280622. No. 5134. 'Amplissimo Rannij'. Moscow region.

280623. No. 5147. 'Amplissimo Pulavskij'. Poland.



**280549 to 280626—Continued****280604 to 280626—Continued**

**280624.** No. 5294. 'Amplissimo Pozdnespelyj Mozgovoj'. Moscow region.

**280625.** No. 5303. 'Amplissimo Balva'. Latvia.

**280626.** No. 5503. 'Amplissimo Yjulskij'. Krasnodar Territory.

**280627 to 280630.**

From Poland. Seeds presented by the Department of Plant Production and Plant Protection, Ministry of Agriculture, Poznan. Received May 1, 1962.

**280627.** LUPINUS ANGUSTIFOLIUS L. Fabaceae.

**280628.** LUPINUS RETICULATUS Desv.

**280629.** LUPINUS PALAESTINUS Boiss.

**280630.** LUPINUS sp.

**280631 to 280636. LAGENARIA SICERARIA (Molina) Standley Cucurbitaceae.**

From the Republic of South Africa. Seeds presented by the Pretoria Horticultural Research Station, Pretoria. Received May 1, 1962.

**280631.** Fruit long;  
neck thin.

**280634.** No. 19.

**280635.** No. 20.

**280632.** No. 10.

**280636.** No. 22.

**280633.** No. 11.

**280637 to 280663.**

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received May 2, 1962.

**280637.** BRASSICA INTEGRIFOLIA var. CARINATA (A. Braun) O. E. Schulz Brassicaceae.

Col. No. 7474. Cultivated with beans, cotton, and corn on west side of Acachi River. Annual, single stemmed at base, then many branched throughout to 75 cm. high; flowers bright yellow; siliques heavy, bending branches.

**280638.** BRASSICA NIGRA var. ABYSSINICA (L.) A. Br.

Col. No. 7436. Common in fields and edges of thickets between Debre Zeit and Moggio, 40 km. above Addis Ababa. Much-branched, coarse annual to 2 m. high; basal stem to 12 mm. thick, mustard flavored; leafy mostly towards base; flowers bright yellow.

**280639.** CANAVALIA ENSIFORMIS (L.) DC. Fabaceae.

**Jackbean.**

Col. No. 8095. Cultivated in a dry area garden near Walkitte, 140 km. southeast of Addis Ababa, Shoa Province. Elevation 1,810 meters. Much-branched, spreading subshrub to 60 cm. high; seed edible.

**280640.** CASSIA FLORIBUNDA Cav. Caesalpiniaceae.

Col. No. 7729. Back of Ras Hotel, Waliso, Shoa Province. Elevation 2,100 meters. Slender, single-stemmed tree or shrub to 3 meters high; bark smooth, green.

**280641.** CASSIA DIDYMOBOTRYA Fres.

Col. No. 8123. Open, scrub woodland slopes, Seventh Day Adventist Mission, Ghimbie, Wollega Province. Elevation 2,000 meters. Wild, much-branched shrub; branches naked except below inflorescence; flowers bright yellow.

## 280637 to 280663—Continued

280642. *TORILIS ARVENSIS* (Huds.) Link. Apiaceae.

Col. No. 7484. Common at field edges and around dwellings, between Debre Zeit and Moggio, 40 km. from Addis Ababa. Annual herb to 60 cm. high.

280643. *CAUCALIS INCOGNITA* Norman. Apiaceae.

Col. No. 7941. Moist thicket 12 km. along Omonadda Road after Jimma turnoff northeast of Little Ghibbie River, 48 km. northeast of Jimma, Kaffa Province. Rhizomatous perennial; stems to 75 cm. long, slender.

280644. *CROTALARIA* sp. Fabaceae.

Col. No. 7968. Roadside, field-edge thicket 12 km. along Omonadda Road after Jimma turnoff northeast of Little Ghibbie River, 48 km. northeast of Jimma, Kaffa Province. Elevation 2,340 meters. Much-branched shrub to 2.3 meters high; branches spreading; flowers chartreuse, 50 mm. across.

280645. *CROTALARIA BREVIDENS* Benth.

Col. No. 8142. With *Acanthus arboreus* at beginning of shrub zone, edge of valley, one km. north of Ghimbie, Wollega Province. Annual herb in wild; branches only at the top; flowers yellow to brownish.

280646. *CROTALARIA LUKWANGULENSIS* Harms

Col. No. 7947. Edge of grain field 12 km. along Omonadda Road after Jimma turnoff northeast of Little Ghibbie River, 48 km. northeast of Jimma, Kaffa Province. Elevation 2,340 meters. Much-branched shrub in wild, to 1.6 meters; branches ascending; inflorescence terminal.

280647. *DATURA METEL* L. Solanaceae.

Hindu datura.

Col. No. 7991. In garden along road by village house one km. northwest of Teppi airport. Shrub in wild, to 1.5 meters high; stems purple; flowers double, purple on the outside, whitish on the inside.

280648. *ENTADA ABYSSINICA* Steud. ex A. Rich. Mimosaceae.

Col. No. 8155. Open slopes below Seventh Day Adventist Mission, Ghimbie, Wollega Province. Elevation 2,000 meters. Deciduous tree in wild, to 6 meters high; crown spreading; pods at ends of branches.

280649. *GLYCINE JAVANICA* subsp. *MICRANTHA* var. *MONILIFORMIS* (Hochst.) F. J. Herm. Fabaceae.

Col. No. 7725. Back of Ras Hotel, Waliso, Shoa Province. Elevation 2,100 meters. Plant in wild, twining over bushes, usually in shade.

280650. *HETEROMORPHA TRIFOLIATA* (Wendl.) Eckl. & Zeyh. Apiaceae.

Col. No. 7688. On an evergreen shrub covered, steep, northern slope, 12 km. west of Ambo, along main road west of Guder, Shoa Province. Single-stemmed shrub in wild, to 5 meters high; trunk 3 cm. diameter; bark smooth, brown; inflorescence much branched.

280651. *HIBISCUS LUDWIGII* Eckl. & Zeyh. Malvaceae.

Col. No. 7527. Dry, open, rocky slope along Acachi River, Acachi, Shoa Province. Elevation 2,100 meters. Suffrutescent subshrub in wild; flowers 5 cm. diameter, yellow.

280652. *HIBISCUS CANNABINUS* L.

Kenaf.

Col. No. 7887. Open marshy sloping grassland adjacent to Omech village. Wild perennial to 2.7 meters high, sparsely branched at base; flowers white with dark purple eye.

280653. *HYPERICUM QUARTINIANUM* A. Rich. Hypericaceae.

Col. No. 7794. In a thicket along water course, 8 km. south of Jimma on Bonga Road, Kaffa Province. Elevation 1,720 meters. Shrub in wild to 2.6 meters high; crown much branched; stem sparsely branched; flowers bright yellow.

**280637 to 280663—Continued**

**280654.** *INDIGOFERA ARRECTA* Hochst. ex A. Rich. Fabaceae. **Indigo.**

Col. No. 7910. Edge of coffee plantation, Jimma Agricultural School, Jimma, Kaffa Province. Subshrub to 1 meter high, profusely branched; branches ascending.

**280655.** *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

Col. No. 7480. In cultivated plot on west side of Acachi River. Bush type, planted broadcast; beans black.

**280656.** *PHOENIX RECLINATA* Jacq. Phoenicaceae. **Senegal date palm.**

Col. No. 7819. Along stream near lake 7 km. north of Jimma, Kaffa Province. Palm in wild, to 8 meters high, often gregarious; fronds to 2.5 meters long; inflorescence to 0.75 meters long; fruiting clusters to 10 kilos; fruit orange when ripe.

**280657.** *PIMPINELLA* sp. Apiaceae.

Col. No. 8088. From market, Jimma, Kaffa Province.

**280658.** *PITTIOSPORUM FEDDEANUM* Pax Pittosporaceae.

Col. No. 7611. Dry, south-facing slope along road to Mt. Zuquala, 10 km. from main road, 2 km. north of Debre Zeit, Shoa Province. Much-branched tree in wild, to 5 meters high; head round; twigs fleshy, leaves pubescent; inflorescence terminal. Plant produces much light-colored latex.

**280659.** *PROTEA GAGUEDII* Gmel. Proteaceae.

Col. No. 3115a. Savanna 80 km. west of Lekemti on Ghimbie Road, Wollega Province. Elevation 1,700 meters. Shrub to 3 meters high.

**280660 and 280661.** *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

**280660.** Col. No. 8077. From market place Jimma, Kaffa Province. Cultivated.

**280661.** Col. No. 8092.

**280662.** *TAMARIX NILOTICA* (Ehrenb.) Bunge Tamaricaceae.

Col. No. 7587. Gravel bars along north side of Blue Nile River, 100 km. northwest of Fiche, Gojjam Province. Elevation 1,175 meters. Large shrub or small tree in wild; trunk 15 cm. diameter, much branched; flowers white.

**280663.** *VIGNA VEXILLATA* (L.) A. Rich. Fabaceae.

Col. No. 7801. Grassy slope, edge of forest 10 km. north of Jimma. Elevation 1,800 meters. Wild twining climber to 6 meters long, little branched; root woody fibrous, nearly vertical.

**280664 to 280672.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received May 3, 1962.

**280664.** *ALLIUM ALTAICUM* Pall. Liliaceae.

From the Voronez Botanic Garden.

**280665.** *ALLIUM FISTULOSUM* L.

**Welsh onion.**

From the Voronez Botanic Garden.

**280666.** *ALLIUM GALANTHUM* Kar. & Kir.

From the Voronez Botanic Garden.

**280667.** *ALLIUM PSKEMENSE* B. Fedtsch.

From the Voronez Botanic Garden.

**280668.** *ALLIUM SCORODOPRASUM* L.

From the Voronez Botanic Garden.



**280664 to 280672—Continued**

**280669 to 280672.** *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

All reportedly are hybrids, moderately resistant to bacterial black spot (*Xanthomonas vesicatoria*).

**280669.** 'Losinoostrovskij 276'. Siberia.

**280670.** 'Vegetativnyi hybrid 19'. Moscow region.

**280671.** No. 2312. 'Sibirsky skoropelyi 1450'. Western Siberia.

**280672.** No. 2688. 'Alnogoplodnyi-40'. Siberia.

**280673 to 280684.** *ORYZA SATIVA* L. Poaceae.**Rice.**

From Japan. Seeds presented by the Division of Phytopathology, National Institute of Agricultural Sciences, Tokyo. Received May 3, 1962.

**280673.** 'Aichiasahi'.

**280679.** 'Norin No. 20'.

**280674.** 'Chokoto'.

**280680.** 'Norin No. 22'.

**280675.** 'Ginga'.

**280681.** 'Taducan'.

**280676.** 'Homare-nishiki'.

**280682.** 'Te-tep'.

**280677.** 'Ishikari-shiroke'.

**280683.** 'Usen'.

**280678.** 'Kanto No. 51'.

**280684.** 'Yakeiko'.

**280685.** *MEDICAGO SATIVA* L. Fabaceae.**Alfalfa.**

From Spain. Seeds presented by the United States Agency for International Development, Madrid. Received May 3, 1962.

'Secano'.

**280686.** *LENS CULINARIS* Medic. Fabaceae.**Lentil.**

From Egypt. Seeds procured by the Office of the Agricultural Attache, Cairo. Received May 4, 1962.

Variety 'Giza 9' from the Legume Crops Research Section, Dept. of Agriculture, Giza, Orman.

**280687 to 280691:** *ARACHIS HYPOGAEA* L. Fabaceae. **Peanut.**

From Mexico. Seeds presented by the Instituto Nacional de Investigaciones Agricolas, Mexico, D.F. Received May 4, 1962.

**280687.** 'Guanajuato-1'.

**280690.** 'Morelos-2'.

**280688.** 'Guanajuato-2'.

**280691.** 'Morelos-3'.

**280689.** 'Morelos-1'.

**280692.** *ZEA MAYS* L. Poaceae.**Corn.**

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico, D.F. Received May 4, 1962.

No. 2001. Ch-61. Cacahuacintle.

**280693.** *VACCINIUM MYRTILLUS* L. Vacciniaceae.**European whortleberry.**

From Poland. Seeds presented by the Schola Superior Agriculturae, Poznan. Received May 4, 1962.

**280694.** *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received May 4, 1962.

'Pusa Ruby'.

**280695 to 280700. ORYZA SATIVA L. Poaceae.****Rice.**

From Pakistan. Seeds presented by the East Regional Laboratory, Pakistan Council of Scientific and Industrial Research, Dacca. Received May 7, 1962.

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|----------------------------|---------------------------|
| 280695. 'Aman Parangi'.    | 280698. 'Kala Aman'.      |
| 280696. 'Baish Bish Aman'. | 280699. 'Khaia Aman'.     |
| 280697. 'Gabura Aman'.     | 280700. 'Maliu Bhangore'. |

**280701 to 280710.**

From countries indicated. Seeds held in storage at the United States Department of Agriculture Branch Experiment Station, Parma, Idaho. Received May 7, 1962.

**280701 to 280704. DAUCUS CAROTA L. Apiaceae. Carrot.**

280701. No. 4 Near Beatrise sluice, Vreeswijk, Utrecht Province, Netherlands.
280702. No. 5. Hort. Bot. Univ. Comenianae, Bratislava, Czechoslovakia.
280703. No. 9. Hort Bot. Acad. Scientarium, Tashkent, S.S.R.
280704. No. 10. Botanika Gardens de Veterinara Universitato, Brno, Czechoslovakia.

**280705. DAUCUS CAROTA var. SATIVUS DC.**

- No. 11. Bot. Gdn. de Vet. Univ., Brno, Czechoslovakia.

**280706. DAUCUS HISPIDIFOLIUS Clos**

- No. 3. Coastal hills north of Concepcion, Chile.

**280707. DAUCUS MAXIMUS Desf.**

- No. 1. Service Botanique et Agronomique de Tunisie, Ariana, Tunisia.

**280708. DAUCUS MONTANUS Humb. & Bonpl. ex Schult.**

- No. 2. Pine covered slopes and meadows 18 miles south of Patzcuaro, Michoacan, Mexico. Elevation 9,000 feet.

**280709. DAUCUS PULCHERRIMUS Koch ex DC.**

- No. 12. Bot. Gdn. de Vet. Univ., Brno, Czechoslovakia.

**280710. ORLAYA GRANDIFLORA Hoffm. Apiaceae.**

- No. 8. Hort. Bot. Univ. Comenianae, Bratislava, Czechoslovakia.

**280711 to 280720.**

From Australia. Plants presented by the Plant Research Laboratory, Burnley Gardens, Victoria. Received May 8, 1962.

**280711 to 280714. VITIS RUPESTRIS Scheele Vitaceae. Sand grape.**

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|----------------------|-----------------------|
| 280711. 'Campbells'. | 280713. 'Dutherglen'. |
| 280712. 'Chambers'.  | 280714. 'McKnight'.   |

**280715 to 280717. VITIS VINIFERA L. European grape.**

280715. 'Golden Chasselas'.
280716. 'Waltham Cross Ray'.
280717. 'Waltham Cross Heslop'.

**280718. VITIS sp.**

- 101 × '14 Merbein'.

**280719. VITIS sp.**

- 101 × '14 Southern Cross'.

**289711 to 280720—Continued****280720.** VITIS sp.

'1202 Campbell'.

**280721 to 280730.**

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received May 8, 1962.

**280721.** AMMI COPTICUM L. Apiaceae.

Col. No. 8179. Market, Addis Ababa.

**280722.** DOLICHOS LABLAB L. Fabaceae.**Hyacinth-bean.**

Col. No. 7832. Wild perennial vine at edge of field; flowers violet.

**280723.** PHASEOLUS LUNATUS L. Fabaceae.**Lima bean.**

Col. No. 7813. Jimma, Kaffa Prov. Rampant perennial vine; flowers white. Used as food.

**280724.** PEUCEDANUM sp. Apiaceae.

Col. No. 7534. Wooded hillside halfway up mountain from the United States Embassy, Addis Ababa. Elevation 2,800 meters. Lithe perennial in wild, from rhizome, to 2 meters long, usually growing through and gaining support from adjacent vegetation; branches few; flowers white; fruit and flowers on same plant.

**280725.** PEUCEDANUM WINKLERI Wolff

Col. No. 7657. Wet site, western slope of crater above Lake Uanci, 25 km. south of Ambo, Shoa Province. Elevation 3,200 meters. Decumbent perennial in wild, tufted from a taproot; flowers bright yellow.

**280726.** PEUCEDANUM PETITIANUM A. Rich.

Col. No. 7672. Grassy, sunny, streambank 34 km. west of Ambo, Shoa Province. Elevation 2,490 meters. Robust, fleshy-rooted perennial in wild, to 1.5 meters high, much branched at the top.

**280727.** Undetermined. Apiaceae.

Col. No. 7818. Brush-covered southern exposure 7 km. north of Jimma on Addis Ababa road, Kaffa Province. Perennial in wild to 1.5 meters high; stem fistulous, to 15 mm. thick.

**280728.** COLEUS sp. Menthaceae.

Col. No. 7586. Steep, open, north-facing slope, 28 km. west of Fiche, Shoa Province. Elevation 3,050 meters. Densely tufted perennial in wild, to 38 cm. high; leaves succulent; flowers dark blue.

**280729.** PSEUDARTHRIA HOOKERI Wight & Arn. Fabaceae.

Col. No. 7899. Evergreen rain forest above Omech, Kaffa Province. Subshrub in wild to 1.5 meters high, mostly unbranched and leafless below.

**280730.** TEPHROSIA ELATA Deflers Fabaceae.

Col. No. 7909. Edge of coffee plantation, Jimma Agricultural School Farm, Kaffa Province. Subshrub in wild to 1.2 meters high, mostly unbranched at the base, branched above.

**280731.** LENS CULINARIS Medic. Fabaceae.**Lentil.**

From Turkey. Seeds presented by the Agricultural Attache, United States Embassy, Ankara. Received May 8, 1962.

**280732 to 280736.** SOLANUM TUBEROSUM L. Solanaceae. **Potato.**

From Germany. Tubers presented by the Max Planck Institut, Koln-vogel-sang. Received May 9, 1962.

**280732.** Clone 44.1016/10. Immune to virus X.



**280732 to 280736—Continued**

280733. Clone 59.503/5. (FN 655). Resistant to Colorado beetle (*Leptinotarsa decemlineata*).  
280734. Clone 59.503/6. (FN 6124). Resistant to Colorado beetle *Leptinotarsa decemlineata*.  
280735. Clone 59.504/15. (FN 665). Resistant to Colorado beetle, *Leptinotarsa decemlineata*.  
280736. Clone 59.505/13. (FN 674). Resistant to Colorado beetle, *Leptinotarsa decemlineata*.

**280737 to 280817. SESAMUM INDICUM L. Pedaliaceae. Sesame.**

From various sources. Seeds presented by the Texas Agricultural & Mechanical College, College Station, Texas. Received May 9, 1962.

280737 to 280739. From Israel, mature in 95 days.

280737. Strain No. B4. Plant to 37 inches high.

280738. Strain No. Y5. Plant to 44 inches high.

280739. Strain No. 64A. Plant to 30 inches high.

280740 and 280741. From Korea.

280740. 'Haenam'.

280741. 'Suwon-A'.

280742. From Mexico, without data.

280743 to 280766. From the Sudan.

280743. 'Abud Teiman'.

280744. 'Amartaba'.

280745. 'Cheparaida'.

280746. 'Dala'.

280747. 'Early Russian White'.

280748. 'Fung White'.

280749. 'Gedaref Selection'.

280750. 'Gerabin Light'.

280751. 'Gidiem'.

280752. 'Goam'.

280753. 'Goam Agbash'.

280754. 'Heavy Brown Kaffai'.

280755. 'Heavy Qui Ennahel'.

280756. 'Heavy White Kaffai'.

280757. 'Hindi'.

280758. 'Light Quarein'.

280759. 'Local Heavy Black'.

280760. 'Mafaza Light'.

280761. 'Mass Sel. Early Resistant White'.

280762. 'Medium Brown'.

280763. 'Narodei el Lebu'.

280764. 'Quarein Late Light'.

280765. 'Torit Selection'.

280766. 'Umhireihir'.

**280737 to 280817—Continued**

**280767 to 280776.** From Tanganyika, late-maturing varieties.

- 280767. Selection E. To 74 inches high.
- 280768. Selection F. To 78 inches high.
- 280769. Selection H. To 73 inches high.
- 280770. Selection L. To 75 inches high.
- 280771. Selection M. To 75 inches high.
- 280772. Selection P. To 73 inches high.
- 280773. Selection S. To 75 inches high.
- 280774. Selection 90. To 67 inches high.
- 280775. S 157/118. To 75 inches high.
- 280776. Unselected. To 75 inches high.

**280777 to 280780.** From Venezuela.

- 280777. 'Acarigua Sel'.                      280779. 'African Var'.
- 280778. 'Acarigua Var'.                      280780. 'Familiar'.

**280781 to 280817.** Sesamun Foundation Numbers.

- 280781. No. 81. Plants to 38 inches high, matures 8/23; stem willowy.
- 280782. No. 82. Plant to 58 inches high, matures 8/23; some capsules long.
- 280783. No. 83. Plant to 57 inches high, matures 8/23; capsules long.
- 280784. No. 84. Plant to 61 inches high, matures 8/23; capsules long.
- 280785. No. 85. Plant to 64 inches high, matures 8/17; capsules medium size, tetracarpellate, fasciated.
- 280786. No. 86. Plant to 55 inches high, matures 8/15; leaves bright green.
- 280787. No. 87. Plant to 64 inches high, matures 8/23; capsules long.
- 280788. No. 90. Plant to 67 inches high, matures 8/23; capsules medium size, tetracarpellate, fasciated.
- 280789. No. 92. Plant height and capsule length variable, matures 8/23.
- 280790. No. 93. Plant to 62 inches high, matures 8/23; capsules long.
- 280791. No. 94. Plant height and capsule length variable; matures 8/31.
- 280792. No. 95. Plant to 72 inches high, matures 8/31; capsules short.
- 280793. No. 98. Plant to 88 inches high, matures 9/10; capsule length variable.
- 280794. No. 101. Plant to 82 inches high, matures 9/10; branching variable.
- 280795. No. 103. Plant to 64 inches high, matures 8/17; branching lax.
- 280796. No. 105. Plant to 65 inches high, matures 8/23; capsules large, long, tetracarpellate, fasciated.
- 280797. No. 106. Plant to 69 inches high, matures 8/23; capsules large, very long, tetracarpellate, fasciated.
- 280798. No. 108. Plant to 72 inches high, matures 8/23; capsules short, tetracarpellate, fasciated.
- 280799. No. 109. Plant to 64 inches high, matures 8/23; capsules long, large, tetracarpellate, fasciated.
- 280800. No. 113. Plant to 66 inches high, matures 8/23; capsules long, tetracarpellate, fasciated.

**280737 to 280817—Continued****280781 to 280817—Continued**

280801. No. 114. Plant to 65 inches high, matures 8/23; capsules long.
280802. No. 115. Plant to 75 inches high, matures 8/23; capsule size variable, tetracarpellate, fasciated.
280803. No. 116. Plant to 84 inches high, matures 9/2; capsules short.
280804. No. 120. Plant to 106 inches high, matures 9/12; short day type, first flower 8/8.
280805. No. 121. Plant to 80 inches high, matures 8/29; erect branching.
280806. No. 122. Plant to 94 inches high, matures 9/8.
280807. No. 124. Plant to 87 inches high, matures 9/4.
280808. No. 125. Plant to 95 inches high, matures 9/8; erect branching; capsule length variable.
280809. No. 126. Plant variable for maturity, height and branching.
280810. No. 128. Plant to 100 inches high, matures 9/12; but not tropical type.
280811. No. 132. Plant to 92 inches high, matures 9/14; late, almost tropical type.
280812. No. 133. Plant to 102 inches high, matures 9/8; late, but not tropical type.
280813. No. 134. Plant to 89 inches high, matures 9/8; like P.I. 280812, but has low branches.
280814. No. 135. Plant to 88 inches high, matures 9/8; like P.I. 280813.
280815. No. 138. Plant to 95 inches high, matures 9/12; like P.I. 280813.
280816. No. 150. Plant to 95 inches high, matures 9/10; very erect branching; indehiscent variety, Genesa-2.
280817. No. 5437. From South America, specific country unknown.

**280818 to 280820.**

From the United States. Plants established at the Plant Introduction Station, Miami, Florida. Numbered May 9, 1962.

**280818. GLORIOSA SUPERBA L. Melanthiaceae. Glorylily.**

No. 12529. Received as seeds January, 1950. Source unknown.

**280819. HIPPEASTRUM VITTATUM (L'Her.) Herbert Amaryllidaceae.**

No. 13724. Received as bulbs September 1953, from the Monona Plantation, Louisiana. Originally from Santa Cruz, Bolivia. Flowers white.

**280820. MELIA AZEDARACH L. Meliaceae. Chinaberry.**

No. 12530. Received as seeds January 1950. Source unknown.

**280821 and 280822. SOLANUM TUBEROSUM L. Solanaceae.**

**Potato.**

From Germany. Tubers presented by the Max Planck Institut, Koln-Vogelsang. Received May 9, 1962.

**280821. Clone 59.509/6. (FN 695). Resistant to Colorado beetle, *Leptinotarsa decemlineata*.****280822. Clone 59.511/11. (FN 708). Resistant to Colorado beetle, *Leptinotarsa decemlineata*.****280823. LUPINUS TRICOLOR Greene Fabaceae.**

From Ecuador. Seeds purchased by the Agricultural Attache, United States Embassy, Quito. Received May 10, 1962.



**280823—Continued**

'Chocho'. (Altramuz). Cultivated annual in the Andes between 1,500 and 3,000 meters, optimum 3,000 meters elevation. Plants heathlike, thrives in cool temperatures, not exacting as to soil; petioles have thick nodules at base; flowers tricolored; stamens in closed tube; pod has 3 to 5 attached seeds. Used as green fertilizer, 20 to 25 kilos of seed per hectare, broadcast on well prepared soil and plowed in when plants begin to flower. Used as human food, seed planted in rows 1 meter apart, 60 to 70 cm. between plants, 6 to 7 kilos per hectare, yield 700 to 900 kilos of seed. Also planted in alternated rows with corn or as a rotation crop and on soils not fit for other crops. Seeds for food are cooked and steeped for several days to eliminate alkaloids and triterpenic alcohols.

**280824. ERIANTHUS FASTIGIATUS (Steud.) Hack. Poaceae.**

From New Guinea. Seeds presented by the Division of Botany, Department of Forests, Lae. Received May 10, 1962.

Collected at Zenag, Morobe. Elevation 4,000 feet.

**280825 to 280830.**

From Japan. Seeds presented by the Agriculture Department, Ehime University, Matuyama. Received May 10, 1962.

**280825. AILANTHUS ALTISSIMA (Mill.) Swingle Simaroubaceae.**

Cultivated.

**280826. CAMELLIA SASANQUA Thunb. Theaceae.**

Wild on Yaku island, Kiusiu. Latitude 30° N.

**280827. CATALPA OVATA Don Bignoniaceae.**

**Japanese catalpa.**

Cultivated.

**280828. EUSCAPHIS JAPONICA (Thunb.) Dipp. Staphyleaceae.**

In wild on Yaku island.

**280829. PLATYCARYA STROBILACEA Sieb. & Zucc. Juglandaceae.**

In wild.

**280830. ZANTHOXYLUM SCHINIFOLIUM Sieb. & Zucc. Rutaceae.**

In wild.

**280831 to 280841.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received May 10, 1962.

**280831. FAGOPYRUM SAGITTATUM Gilib. Polygonaceae.**

No. 3790. Gornoshorskaya, Novosibirsk region. Erect annual to 27 by 12 inches; roots fibrous; stems reddish at base, becoming green; leaves three lobed, light green; flowers white to yellow, fading to white when dry, to 2 mm. in diameter; stamen purple.

**280832 and 280833. FAGOPYRUM ESCULENTUM Moench**

**Buckwheat.**

Erect annual to 27 by 12 inches; roots fibrous; stems reddish at base, becoming green; leaves three lobed, light green; flowers white to yellow, fading to white when dry, to 2 mm. in diameter; stamen purple.

**280832.** No. 3872. Moscow region. Received as *F. tetrasagittatum*.

**280833.** No. 4139. Kiev region. Received as *F. tetrasagittatum*.

**280834 to 280841. SECALE CEREALE var. VULGARE Koern. Poaceae.**

All are winter type.

**280834.** No. 9366. 'Falenskaya'. Kirov region.

**280835.** No. 9367. 'Viatka'. Kirov region.

**280831 to 280841—Continued****280834 to 280841—Continued**

280836. No. 9372. 'Omka'. Omsk region.  
 280837. No. 9394. 'Volzanka'. Saratov region.  
 280838. No. 9396. 'Saratorskaya'. Saratov region.  
 280839. No. 9441. 'Viatka 2'. Kirov region.  
 280840. No. 9452. 'Lisicyna'. Orel region.  
 280841. No. 9453. 'Novozybkovskaya'. Briansk region.

**280842 and 280843.**

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Received May 10, 1962.

280842. CIENFUGOSIA DRUMMONDII Lewton Malvaceae.

CGE SP 62.

280843. CIENFUGOSIA sp.

**280844 to 280849. TRITICUM AESTIVUM L. Poaceae.****Common wheat.**

From Paraguay. Seeds presented by the Ministerio de Agricultura y Ganaderia, Encarnacion, through the Agency for International Development. Received May 10, 1962.

280844. 'Bandeirante' × 'Yaqui Re' × 'Jhiaveva'. II66 13E-3E-1E.  
 280845. 'Mescla'.  
 280846. S(Gb(K-U)) II-31-2E 1E-1E-3E.  
 280847. S(Gb-K-U) II-31-2E-1E 2E-1E.  
 280848. S(Gb K-U) II-312E-1E-1 2E.  
 280849. S(Gb-K-U) II-31-2E-1E 1E-5E.

**280850 to 280853. ZEA MAYS L. Poaceae.****Corn.**

From the United States. Seeds presented by the Agronomy Department, College of Agriculture, University of Wisconsin, Madison. Numbered May 11, 1962.

280850. Composite, late. Selections of up to 30 open-pollinated, wide-spread, but unrecorded, midwestern (Illinois, Michigan, Minnesota, South Dakota, Wisconsin) varieties of 20 years ago.  
 280851. Composite, midseason. Selection of up to 30 open-pollinated, wide-spread, but unrecorded, midwestern (Illinois, Michigan, Minnesota, South Dakota, Wisconsin) varieties of 20 years ago.  
 280852. 'Golden Glow'. (Wisconsin No. 12). Open-pollinated selection maintained by the Wis. Agr. Exp. Sta., and principal yellow dent variety grown in southern Wisconsin before the advent of hybrid corn.  
 280853. 'Silver King'. (Wisconsin No. 7). Open-pollinated main white dent variety grown in southern Wisconsin.

**280854. THEMEDA AUSTRALIS (R. Br.) Stapf Poaceae.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 11, 1962.

Collected at Katherine, North Territory.

**280855. TETRACERA COWLEYANA F. M. Bailey Dilleniaceae.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 11, 1962.

North Queensland vine, on rain forest edge.

**280856. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From Brazil. Seeds presented by Wolf Wessling, Fazenda Pagador, Presidente Prudente, Sao Paulo. Received May 14, 1962.

'Paraguay White'.

**280857 to 280859. MENTHA (hybrids). Menthaceae.**

From Japan. Plants presented by the Agricultural Attache, United States Embassy, Tokyo. Received May 15, 1962.

*M. crispa* × *M. arvensis*.

280857. 34-87.

280858. 34-112. High menthol.

280859. 34-115.

**280860. COFFEA ARABICA L. Rubiaceae. Arabian coffee.**

From Guatemala. Seeds presented by Hugh Craggs, Guatemala City. Received May 15, 1962.

**280861. DOLICHOS LABLAB L. Fabaceae. Hyacinth-bean.**

From Kenya. Seeds presented by the Department of Agriculture, Nairobi. Received Aug. 29, 1958. Numbered May 15, 1962.

K-51167.

**280862. RHYNCHOSIA PHASEOLOIDES (Sw.) DC. Fabaceae.**

From Mexico. Seeds presented by C. Halbinger, "El Troquel". Received Oct. 15, 1956. Numbered May 15, 1962.

Originally from Argentina.

**280863 to 281263. SOLANUM TUBEROSUM L. Solanaceae. Potato.**

From the Netherlands. Seeds presented by the Institut Veredeling Landbouwgewassen, Wageningen. Received May 15, 1962.

Plant material collected in the wild, except as noted. The numbers and code, other than P.I. numbers, are Wageningen Potato Collection (W.A.C.) numbers.

280863 to 280984. Clones collected in the northern Argentine-southern Bolivia area.

280863. No. 27.	280878. No. 126.
280864. No. 32.	280879. No. 128.
280865. No. 35.	280880. No. 129.
280866. No. 37.	280881. No. 130.
280867. No. 59.	280882. No. 131.
280868. No. 63.	280883. No. 142.
280869. No. 64.	280884. No. 148. Highly resistant to <i>Fusarium coeruleum</i> .
280870. No. 65.	280885. No. 155.
280871. No. 70.	280886. No. 156.
280872. No. 95.	280887. No. 160.
280873. No. 97.	280888. No. 1004.
280874. No. 100.	280889. No. 10008.
280875. No. 101.	280890. No. 1025 B I.
280876. No. 102.	280891. No. 1028 A.
280877. No. 117.	



## 280863 to 281263—Continued

## 280863 to 280984—Continued

280892. No. 1048.  
280893. No. 1106 A.  
280894. No. 1111.  
280895. No. 1113 II.  
280896. No. 1115 I.  
280897. No. 1118.  
280898. No. 1134.  
280899. No. 1151 B.  
280900. No. 1155 B.  
280901. No. 1159 A.  
280902. No. 1160 B.  
280903. No. 1168.  
280904. No. 1187 A.  
280905. No. 1194.  
280906. No. 1196 B II.  
280907. No. 1203 A.  
High dry matter content.  
280908. No. 1206.  
280909. No. 1207 A II.  
280910. No. 1207 B II.  
280911. No. 1209. Sugar content  
over one percent, reducing  
sugar 0.5 percent or more.  
280912. No. 1218.  
High dry matter content.  
280913. No. 1220.  
280914. No. 1223.  
280915. No. 1225 A.  
280916. No. 1234 A.  
280917. No. 1238 A.  
280918. No. 1257 B.  
280919. No. 1257 B II.  
280920. No. 1270 B.  
280921. No. 1291.  
280922. No. 1295.  
280923. No. 1303.  
280924. No. 1305 II.  
280925. No. 1308 I.  
280926. No. 1312.  
280927. No. 1318-1.  
280928. No. 1322 A.  
280929. No. 1328.  
280930. No. 1336-2.

280931. No. 1352.  
High dry matter content.  
280932. No. 1359.  
280933. No. 1369-1.  
280934. No. 1379 pl. 2.  
280935. No. 1382-1.  
280936. No. 1384 pl. 2.  
High dry matter content.  
280937. No. 1385-2.  
280938. No. 1405.  
280939. No. 1408 pl. 2.  
280940. No. 1418-2.  
280941. No. 1425.  
280942. No. 1426 a.  
280943. No. 1429 pl-1.  
280944. No. 1436 pl. 2.  
280945. No. 1437 a.  
280946. No. 1437 B I.  
280947. No. 1438 pl. 2.  
280948. No. 1441.  
280949. No. 1442-2.  
280950. No. 1444 pl-1.  
280951. No. 1444 pl. 2.  
280952. No. 1445 pl-1.  
280953. No. 1445 pl-2.  
280954. No. 1445.  
280955. No. 1450 pl. 2.  
280956. No. 1457 B pl. 1.  
280957. No. 1458 pl. 2.  
280958. No. 1463. Sugar content  
over one percent, reducing  
sugar 0.5 percent or more.  
280959. No. 1466-2.  
280960. No. 1468 pl. 2.  
280961. No. 1471.  
280962. No. 1474.  
280963. No. 1475 pl. 1.  
280964. No. 1476.  
280965. No. 1478 A-1.  
280966. No. 1478-B.  
280967. No. 1482.  
280968. No. 1487-2.  
280969. No. 1495.

## 280863 to 281263—Continued

## 280863 to 280984—Continued

280970.	No. 1499 pl. 2.	280978.	No. 1534-1.
280971.	No. 1499 pl. 1.	280979.	No. 1566 pl. 1.
280972.	No. 1505.	280980.	No. 1566 pl. 2.
280973.	No. 1506.	280981.	No. 1566.
280974.	No. 1508-2.		High dry matter content.
280975.	No. 1509 pl. 1.	280982.	No. 1568 pl. 1.
280976.	No. 1529.	280983.	No. 1571.
280977.	No. 1530 pl. 1.	280984.	No. 1573.

## 280985 to 281023. Clones collected in Bolivia.

280985.	No. 792.	281005.	No. 762.
280986.	No. 706.	281006.	No. 764.
280987.	No. 709.	281007.	No. 766.
280988.	No. 710.	281008.	No. 767.
280989.	No. 715.	281009.	No. 770.
280990.	No. 719.	281010.	No. 773.
280991.	No. 722.	281011.	No. 774.
280992.	No. 723.	281012.	No. 775.
280993.	No. 732.	281013.	No. 793.
280994.	No. 734.	281014.	No. 810.
280995.	No. 735.		Low total sugars.
280996.	No. 737.	281015.	No. 814.
280997.	No. 739.	281016.	No. 819.
	Low total sugars.	281017.	No. 822.
280998.	No. 741.	281018.	No. 825.
280999.	No. 742.	281019.	No. 826.
281000.	No. 745.	281020.	No. 829.
281001.	No. 747.	281021.	No. 837.
281002.	No. 751.		High dry matter content.
281003.	No. 757.	281022.	No. 845.
	Low total sugars.	281023.	No. 849.
281004.	No. 758.		

## 281024 to 281032. Clones collected in La Paz, Bolivia, markets.

281024.	No. 407. Belen.	281028.	No. 430. Oruro.
281025.	No. 409. Belen.		Low total sugar content.
	Low total sugar content.	281029.	No. 431. Oruro.
281026.	No. 419. Belen.	281030.	No. 436. Oruro.
281027.	No. 421. Oruro.	281031.	No. 438. Oruro.
		281032.	No. 440. Oruro.

## 281033 to 281037. Clones collected in Mexico.

281033.	No. 910.	281035.	No. 912.
	Low total sugar content.		High dry matter content.
281034.	No. 911.	281036.	No. 1599.
		281037.	No. 1600.

## 280863 to 281263—Continued

281038 to 281260. Clones collected in Peru.

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|--|---|
| 281038. No. 5. Anch.   | 281075. No. 247. Kcaira.  |
| 281039. No. 6. Anch.   | 281076. No. 248. Kcaira.  |
| 281040. No. 7. Anch.   | 281077. No. 253. Kcaira. Highly<br>resistant to <i>Fusarium</i><br><i>coeruleum</i> .   |
| 281041. No. 8. Anch.   | 281078. No. 254. Kcaira.  |
| 281042. No. 10. Anch.  | 281079. No. 256. Kcaira.  |
| 281043. No. 11. Anch.  | 281080. No. 258. Kcaira. Highly<br>resistant to <i>Fusarium</i><br><i>coeruleum</i> .   |
| 281044. No. 14. Anch.  | 281081. No. 259. Kcaira.  |
| 281045. No. 167. Cantha.   | 281082. No. 260. Kcaira.  |
| 281046. No. 168. Cantha.   | 281083. No. 262. Kcaira.  |
| 281047. No. 169. Cantha.   | 281084. No. 263. Kcaira.  |
| 281048. No. 172. Cantha.   | 281085. No. 267. Kcaira.  |
| 281049. No. 173. Cantha.   | 281086. No. 268. Kcaira.  |
| 281050. No. 179. Cantha.   | 281087. No. 269. Kcaira.  |
| 281051. No. 183. Cantha.   | 281088. No. 272. Kcaira.  |
| 281052. No. 184. Cantha.   | 281089. No. 273. Kcaira.  |
| 281053. No. 188. Casabl.   | 281090. No. 280. Kcaira.  |
| 281054. No. 189. Casabl.   | 281091. No. 281. Kcaira.  |
| 281055. No. 191. Tarma.  | 281092. No. 282. Kcaira. Highly<br>resistant to <i>Fusarium</i><br><i>coeruleum</i> .   |
| 281056. No. 192. Tarma.  | 281093. No. 286. Kcaira.  |
| 281057. No. 194. Tarma.  | 281094. No. 288. Kcaira.  |
| 281058. No. 195. Tarma.  | 281095. No. 292. Kcaira.  |
| 281059. No. 198. Tarma. Very<br>highly resistant to <i>Fusarium</i><br><i>coeruleum</i> .          | 281096. No. 294. Kcaira.  |
| 281060. No. 206. Tarma.  | 281097. No. 296. Yabar (Cuzco).   |
| 281061. No. 208. Chinchero.  | 281098. No. 304. Lima market.   |
| 281062. No. 210. Chinchero, near<br>Cuzco. Very highly resistant to<br><i>Fusarium coeruleum</i> . | 281099. No. 310. Lima.  |
| 281063. No. 212. Chinchero.  | 281100. No. 312. Lima.  |
| 281064. No. 215. Chinchero.  | 281101. No. 313. Lima.  |
| 281065. No. 216. Chinchero.  | 281102. No. 317. Lima.  |
| 281066. No. 217. Chinchero.<br>Highly resistant to <i>Fusarium</i><br><i>coeruleum</i> .           | 281103. No. 320. Lima.  |
| 281067. No. 228. Chinchero.  | 281104. No. 323. Lima.  |
| 281068. No. 237. Cuzco.  | 281105. No. 325. Lima.  |
| 281069. No. 238. Cuzco.  | 281106. No. 333. Lima.  |
| 281070. No. 240. Kcaira.   | 281107. No. 336. Ocallama.<br>Highly resistant to <i>Fusarium</i><br><i>coeruleum</i> . |
| 281071. No. 242. Kcaira.<br>Exp. Farm near Cuzco.  | 281108. No. 338. Ocallama.  |
| 281072. No. 244. Kcaira.   | 281109. No. 342. Ocallama.  |
| 281073. No. 245. Kcaira.   | 281110. No. 345. Rarga Pata.  |
| 281074. No. 246. Kcaira.   |   |



## 280863 to 281263—Continued

## 281038 to 281260—Continued

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| 281111. No. 350. Rarga Pata.  | 281142. No. 485.   |
| 281112. No. 354. Rarga Pata.<br>High dry matter content.  | 281143. No. 487.   |
| 281113. No. 355. Rarga Pata.  | 281144. No. 488.   |
| 281114. No. 356. Rarga Pata.  | 281145. No. 489.   |
| 281115. No. 361. Rarga Pata.  | 281146. No. 494.   |
| 281116. No. 363. Rarga Pata.  | 281147. No. 498.   |
| 281117. No. 364. Rarga Pata.  | 281148. No. 500. Highly resistant<br>to <i>Fusarium coeruleum</i> .                |
| 281118. No. 366. Rarga Pata.  | 281149. No. 504.   |
| 281119. No. 370. Puno. Highly<br>resistant to <i>Fusarium</i><br><i>coeruleum</i> .   | 281150. No. 506.   |
| 281120. No. 371. Puno.  | 281151. No. 508.   |
| 281121. No. 373. Puno.<br>High dry matter content.  | 281152. No. 510. Very highly<br>resistant to <i>Fusarium</i><br><i>coeruleum</i> . |
| 281122. No. 376. Puno.<br>High dry matter content.  | 281153. No. 511.   |
| 281123. No. 377. Puno. Very<br>highly resistant to <i>Fusarium</i><br><i>coeruleum</i> .  | 281154. No. 512.<br>Low total sugar content.                                       |
| 281124. No. 379. Puno.  | 281155. No. 519.   |
| 281125. No. 385. Puno. Very<br>highly resistant to <i>Fusarium</i><br><i>coeruleum</i> .  | 281156. No. 520.   |
| 281126. No. 390. Puno.  | 281157. No. 521.   |
| 281127. No. 396. Puno.  | 281158. No. 522.   |
| 281128. No. 399. Puno.<br>Low total sugar content.  | 281159. No. 524.   |
| 281129. No. 401. Puno.  | 281160. No. 525.   |
| 281130. No. 402. Puno.<br>Low total sugar content.  | 281161. No. 526.   |
| 281131. No. 448. Highly resistant<br>to <i>Fusarium coeruleum</i> .   | 281162. No. 527.   |
| 281132. No. 452.  | 281163. No. 529.   |
| 281133. No. 456.  | 281164. No. 530.   |
| 281134. No. 457.  | 281165. No. 532.   |
| 281135. No. 464.  | 281166. No. 535.   |
| 281136. No. 472. Highly resistant<br>to <i>Fusarium coeruleum</i> . Sugar<br>content over one percent, reduc-<br>ing sugar 0.5 percent or more. | 281167. No. 538.   |
| 281137. No. 474.  | 281168. No. 539.   |
| 281138. No. 475.  | 281169. No. 541.   |
| 281139. No. 477. Highly resistant<br>to <i>Fusarium coeruleum</i> .   | 281170. No. 542.   |
| 281140. No. 482.  | 281171. No. 543.   |
| 281141. No. 484.  | 281172. No. 545.   |
|   | 281173. No. 550.   |
|   | 281174. No. 551.   |
|   | 281175. No. 557.   |
|   | 281176. No. 558. Highly resistant<br>to <i>Fusarium coeruleum</i> .                |
|   | 281177. No. 562.   |
|   | 281178. No. 563.   |
|   | 281179. No. 564.   |

## 280863 to 281263—Continued

## 281038 to 281260—Continued

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| 281180. No. 570.   | 281205. No. 622.   |
| 281181. No. 572.   | 281206. No. 624.   |
| 281182. No. 573.   | 281207. No. 625.   |
| 281183. No. 578.   | 281208. No. 633. Highly resistant<br>to <i>Fusarium coeruleum</i> .                |
| 281184. No. 579.   | 281209. No. 637.   |
| 281185. No. 583. Very highly<br>resistant to <i>Fusarium</i><br><i>coeruleum</i> . | 281210. No. 638.   |
| 281186. No. 584. Very highly<br>resistant to <i>Fusarium</i><br><i>coeruleum</i> . | 281211. No. 640.   |
| 281187. No. 585.   | 281212. No. 644.   |
| 281188. No. 589.   | 281213. No. 645.   |
| 281189. No. 590.   | 281214. No. 646.   |
| 281190. No. 592.   | 281215. No. 649.   |
| 281191. No. 596.   | 281216. No. 650.   |
| 281192. No. 598.   | 281217. No. 651. Very highly<br>resistant to <i>Fusarium</i><br><i>coeruleum</i> . |
| 281193. No. 599.   | 281218. No. 657.   |
| 281194. No. 600.   | 281219. No. 659.   |
| 281195. No. 603.   | 281220. No. 661. Very highly<br>resistant to <i>Fusarium</i><br><i>coeruleum</i> . |
| 281196. No. 605.   | 281221. No. 662.   |
| 281197. No. 606.   | 281222. No. 663.   |
| 281198. No. 607.   | 281223. No. 664.   |
| 281199. No. 610.   | 281224. No. 666.   |
| 281200. No. 613.   | 281225. No. 669.   |
| 281201. No. 615.   | 281226. No. 671.   |
| 281202. No. 616.   | 281227. No. 688.   |
| 281203. No. 618.   | 281228. No. 692.   |
| 281204. No. 619.   | 281229. No. 693.   |

## 281230 to 281260. Intervarietal hybrids.

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| 281230. No. 855.                             | 281240. No. 873. |
| 281231. No. 856.                             | 281241. No. 876. |
| 281232. No. 861.<br>Low total sugar content. | 281242. No. 879. |
| 281233. No. 863.                             | 281243. No. 880. |
| 281234. No. 864.                             | 281244. No. 881. |
| 281235. No. 865.                             | 281245. No. 882. |
| 281236. No. 866.                             | 281246. No. 885. |
| 281237. No. 868.                             | 281247. No. 886. |
| 281238. No. 871.                             | 281248. No. 887. |
| 281239. No. 872.<br>Low total sugar content. | 281249. No. 889. |
|  | 281250. No. 890. |

**281276 to 281287—Continued****281038 to 281260—Continued****281230 to 281260—Continued**

281251. No. 891.

281256. No. 905.

281252. No. 895.

281257. No. 906.

281253. No. 898.

281258. No. 915. Carabl.

Low total sugar content.

281254. No. 899.

281259. No. 935. Ochoa.

281255. No. 901.

281260. No. 936. Ochoa.

281261 to 281263. Interspecific crosses made in the Netherlands; received as hybrids of *S. andigenum* resistant to strain A of *Heterodera rostochiensis* with *S. tuberosum* varieties.

281261. No. 403 × Prof. Broekema.

281262. No. 720 × Prof. Broekema.

281263. No. 756 × Prof. Broekema.

**281264 to 281275.**

From Great Britain. Plants presented by Hillier & Sons, Winchester, Hants, England. Received May 15, 1962.

281264. ABIES PINDROW var. BREVIFOLIA Dall &amp; Jacks. Pinaceae.

281265. CEDRUS BREVIFOLIA (Hook. f.) Henry Pinaceae.

'Horizontalis'.

281266. CEDRUS DEDODARA (Lamb.) Loud. Pinaceae.

Deodar cedar.

'Procumbens'.

281267. CHAMAECYPARIS LAWSONIANA (Murray) Parl. Pinaceae.

Lawson falsecypress.

'Caudata'.

281268 and 281269. CUPRESSUS MACROCARPA Hartw. Pinaceae.

281268. 'Globosa'.

281269. 'Pendula'.

281270. CUPRESSUS MACROCARPA f. PYGMAEA A. B. Jackson

281271. PICEA ABIES (L.) Karst. Pinaceae.

Norway spruce.

'Phyllicoides'.

281272. PICEA ABIES f. VIRGATA (Jacques) Rehder

281273. PICEA SPINULOSA Beissn.

281274. PINUS NIGRA f. PYGMAEA (Carr.) Rehder Pinaceae.

Austrian pine.

281275. PSEUDOTSUGA sp. Pinaceae.

**281276 to 281287. ORYZA SATIVA L. Poaceae.****Rice.**

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received May 16, 1962.

281276. 'Chia-nan 8'. Original stock.

281277. 'Chia-nan 8'. Treated with hot neutrons for 20 hours.

281278. 'Kaohsiung 27'. Original stock.

281279. 'Kaohsiung 27'. Yellow green.

281280. 'Kaohsiung 27'. Treated with hot neutrons for 20 hours.

281281. 'Kaohsiung 27'. Treated with 25,000 r., X-rays.



**281297 to 281445—Continued**

281282. 'Purple Rice 7102'.  
 281283. 'Purple Rice Nagao N-45'.  
 281284. 'Taichung 65'. Original stock.  
 281285. 'Taichung 65'. Light green.  
 281286. 'Taichung 65'. Tetraploid.  
 281287. 'Taichung 65'. Treated with hot neutrons for 15 hours.

**281288. DESMODIUM CINERASCENS Gray Fabaceae.**

From the United States. Seeds presented by the University of Arizona Plant Materials Center, Tucson. Received Feb. 28, 1958. Numbered May 16, 1962.

**281289 to 281296.**

From the British West Indies. Seeds presented by the Royal Botanic Garden, Hope, Jamaica. Received April 15, 1959. Numbered May 16, 1962.

281289. *DESMODIUM AXILLAIRE* (Sw.) DC. Fabaceae.  
 281290. *DESMODIUM CANUM* (Gmel.) Schinz & Thell. **Kaimi-clover.**  
 281291. *DESMODIUM GANGETICUM* (L.) DC.  
 281292. *DESMODIUM GYRANS* (L. f.) DC. **Telegraph-plant.**  
 281293. *DESMODIUM INTORTUM* (Mill.) Urb.  
 281294. *DESMODIUM SCOPIRUS* Desv.  
 281295. *DESMODIUM SPIRALE* (Swartz) DC.  
 281296. *DESMODIUM TRIFLORUM* (L.) DC.

**281297 to 281445.**

From countries indicated. Seeds presented by Paul G. Smith, Department of Vegetable Crops, University of California, Davis, California. Numbered May 16, 1962.

From Argentina.

- 281297 to 281299. *CAPSICUM ANNUUM* L. Solanaceae. **Pimento.**  
 281297. No. 1251. Buenos Aires.  
 281298. No. 1760. 'Pimantero'. Mendoza.  
 281299. No. 1781. San Juan Province.  
 281300. *CAPSICUM PENDULUM* Willd.  
 No. 1755 'Cristal'. Mendoza.

From Bolivia.

281301. *CAPSICUM ANNUUM* L. **Pimento.**  
 No. 1859. San Ignacio de Velasco, Santa Cruz.  
 281302 to 281304. *CAPSICUM CHINENSE* Jacq.  
 281302. No. 1541. Rurrenabueque, Rio Beni.  
 281303. No. 1554. Todos Santos, Cochabamba.  
 281304. No. 1555. Todos Santos, Cochabamba.  
 281305. *CAPSICUM SINENSE* Jacq. **Pepper.**  
 No. 1556. Todos Santos, Cochabamba.  
 281306. *CAPSICUM MICROCARPUM* Cav.  
 No. 1553. Todos Santos, Cochabamba.

## 281297 to 281445—Continued

281307 and 281308. *CAPSICUM PENDULUM* Willd.

281307. No. 1792. Valle Grande, Florida.

281308. No. 1857. San Ignacio de Velasco, Santa Cruz.

From Brazil.

281309 to 281313. *CAPSICUM PENDULUM* Willd.

281309. No. 1232. 'Comari'. Pelotas, Rio Grande do Sul.

281310. No. 1233. 'Hot Pepper'. Pelotas, Rio Grande do Sul.

281311. No. 1871. 'Chifre de Veado'. Campinas.

281312. No. 1874. 'Sertaozinho'. Campinas.

281313. No. 1955. Vicosá.

From British Guiana.

281314. *CAPSICUM CHINENSE* Jacq.

No. 1266.

281315. *CAPSICUM SINENSE* Jacq.

Pepper.

No. 1269.

From the British West Indies.

281316. *CAPSICUM ANNUM L.*

Pimento.

No. 1557. Trinidad.

281317. *CAPSICUM SINENSE* Jacq.

Pepper.

No. 1947. Trinidad.

From Chile.

281318. *CAPSICUM ANNUM L.*

Pimento.

No. 1513. Commercial import.

281319. *CAPSICUM CHINENSE* Jacq.

No. 1515. Commercial import.

281320 and 281321. *CAPSICUM PENDULUM* Willd.

281320. No. 1244. 'Aji cristal'. Santiago.

281321. No. 1517. Commercial import.

From Colombia.

281322. *CAPSICUM ANNUM L.*

Pimento.

No. 1750. 'Aji Chiquito'. Garogoa.

281323 and 281324. *CAPSICUM FRUTESCENS L.*

Redpepper.

281323. No. 1531. 'Aji Chico'. Tolu, Bolívar.

281324. No. 1864. Paicol, Huila.

281325. *CAPSICUM CHINENSE* Jacq.

No. 1795. 'Regina de Flores'. Mariquita, Toléma.

281326. *CAPSICUM SINENSE* Jacq.

Pepper.

No. 1797. 'Aji Guateque'. Boyaca.

281327. *CAPSICUM CHINENSE* Jacq.

No. 1865. Paicol, Huila.

**281297 to 281445—Continued**

From Costa Rica.

281328 to 281330. *CAPSICUM ANNUM L.* Pimento.

281328. No. 981. Wild. Turrialba.

281329. No. 985. Turrialba.

281330. No. 1511. Wild. Turrialba.

281331. *CAPSICUM CHINENSE Jacq.*

No. 910. Turrialba.

281332 to 281336. *CAPSICUM FRUTESCENS L.* Redpepper.

281332. No. 978. Turrialba. 281335. No. 983. Turrialba.

281333. No. 979. Turrialba. 281336. No. 1246. La Florida.

281334. No. 982. Turrialba.

281337. *CAPSICUM PENDULUM Willd.*

No. 980. Turrialba.

From Ecuador.

281338. *CAPSICUM CHINENSE Jacq.*

No. 1946.

281339 and 281340. *CAPSICUM PENDULUM Willd.*

281339. No. 921. El Topo.

281340. No. 974. Tunguraqua.

From El Salvador.

281341. *CAPSICUM ANNUM L.* Pimento.

No. 988.

From Ethiopia.

281342. *CAPSICUM ANNUM L.* Pimento.

No. 1824. 'Ethiopian Hot'.

From Guatemala.

281343 and 281344. *CAPSICUM ANNUM L.* Pimento.

281343. No. 909. Guatemala City.

281344. No. 957. Antigua.

281345. *CAPSICUM FRUTESCENS L.* Redpepper.

No. 987. Tamalero.

From India.

281346 and 281347. *CAPSICUM FRUTESCENS L.* Redpepper.

281346. No. 1879. 'Kandari'. Malabar.

281347. No. 1881. Lachnar, Bagaar.

From Iran.

281348 to 281352. *CAPSICUM ANNUM L.* Pimento.

281348. No. 1949. 281351. No. 1952.

281349. No. 1950. 281352. No. 1953.

281350. No. 1951.

From Mariana Islands.

281353. *CAPSICUM FRUTESCENS L.* Redpepper.

No. 965. Saipan.



**281297 to 281445—Continued**

From Mexico.

**281354 to 281391. CAPSICUM ANNUUM L.****Pimento.**

- 281354. No. 907. 'Chili Piquin'. Nogales.
- 281355. No. 959.
- 281356. No. 961. 'Mirasol'. Orizaba Valley.
- 281357. No. 962.
- 281358. No. 964. Juaresmeno.
- 281359. No. 967. Taucanhuitz, San Luis Potosi.
- 281360. No. 969. Papantla, Vera Cruz.
- 281361. No. 991. 'Chili Guero'. Colotlan, Jalisco.
- 281362. No. 992. 'Chili Cora'. Mezquitez, Jalisco.
- 281363. No. 993. 'Chili de Arbol'. Mezquitez, Jalisco.
- 281364. No. 996. 'Chili Cora'. Colotlan, Jalisco.
- 281365. No. 997. 'Mirasol'. Colotlan, Jalisco.
- 281366. No. 998. 'Chili Bola'. Ojo Caliente.
- 281367. No. 999. 'Chili Serrano'. Colotlan, Jalisco.
- 281368. No. 1000. 'Chili Guero'. Susticacan, Zac.
- 281369. No. 1001. 'Chili Pasilla'. Susticacan, Zac.
- 281370. No. 1184. 'Chili de Arbol'. Sihuatlan, Jalisco.
- 281371. No. 1226. 'Chili Tepine'. Alamo, Sonora.
- 281372. No. 1535. 'Chili Tepine'. Hermosillo.
- 281373. No. 1542. 'Ancho'.
- 281374. No. 1543. 'Chili Mora'. Tampico.
- 281375. No. 1544. 'Chili Catarina'.
- 281376. No. 1548. 'Guajillo'.
- 281377. No. 1806. 'Zacapalena'. Puebla.
- 281378. No. 1807. 'Rayaldo Primero'. Puebla.
- 281379. No. 1809. 'Rayaldo Colorado'. Puebla.
- 281380. No. 1810. 'Loco'. Puebla.
- 281381. No. 1812. 'Pasilla'. Puebla.
- 281382. No. 1813. 'Chili Piquin'. Vera Cruz.
- 281383. No. 1814. 'Cascabel'. Vera Cruz.
- 281384. No. 1815. Vera Cruz.
- 281385. No. 1861. 'Chili Gordo'. Vera Cruz.
- 281386. No. 1817. 'Mirasol'. Aguas Calientes.
- 281387. No. 1818. 'Ancho'. La Piedad.
- 281388. No. 1819. 'Catarina'. La Piedad.
- 281389. No. 1820. 'Guajillo'. La Piedad.
- 281390. No. 1821. 'Cascabel'. Queretaro.
- 281391. No. 1957A. Navajoa.

**281392 to 281394. CAPSICUM CHINENSE Jacq.**

- 281392. No. 902. Commercial import.

**281297 to 281445—Continued****281392 to 281394—Continued**

281393. No. 906. 'Ulvilla Grande'. Commercial import.

281394. No. 1799. 'Chile Habanero'. Yucatan.

**281395 to 281397. CAPSICUM FRUTESCENS L.****Redpepper.**

281395. No. 904. 'Rat Chili'. Commercial import.

281396. No. 971. Jesus Carranza, Vera Cruz.

281397. No. 1249. Palenque.

**281398. CAPSICUM cf. MICROCARPUM Cav.**

No. 1532. 'Dulce Nombres'. Nuevo Leon.

From the New Hebrides.

**281399. CAPSICUM FRUTESCENS L.****Redpepper.**

No. 835. Efate.

From Nicaragua.

**281400. CAPSICUM ANNUUM L.****Pimento.**

No. 1540. 'Chili Largo'.

**281401. CAPSICUM FRUTESCENS L.****Redpepper.**

No. 1538. 'Chili Redondo'.

From Peru.

**281402 to 281404. CAPSICUM CHINENSE Jacq.**

281402. No. 919. Trujillo.

281403. No. 1491.

281404. No. 1493.

**281405. CAPSICUM FRUTESCENS L.****Redpepper.**

No. 1786. Huancayo.

**281406 to 281415. CAPSICUM PENDULUM Willd.**

281406. No. 917. Puira.

281411. No. 928. Cuzco.

281407. No. 922. Moquiquito.

281412. No. 930. Tingua.

281408. No. 923. Cuzco.

281413. No. 931. Tingua.

281409. No. 924. Cuzco.

281414. No. 1492.

281410. No. 927. Cuzco.

281415. No. 1494.

From the Philippines.

**281416. CAPSICUM ANNUUM L.****Pimento.**

No. 1884. San Pablo, Laguna.

**281417 to 281420. CAPSICUM FRUTESCENS L.****Redpepper.**

281418. No. 1883. Mindanao.

281419. No. 1885. Cebu City.

281417. No. 1882. Mindanao.

281420. No. 1887. Cebu City.

**281421. CAPSICUM SINENSE Jacq.****Pepper.**

No. 1888. Cagayan de Oro.

**281422. CAPSICUM FRUTESCENS L.****Redpepper.**

No. 1889. Cagayan de Oro.

From Puerto Rico.

281423 and 281424. *CAPSICUM CHINENSE* Jacq.

281423. No. 1774. 'Aji Dulce'. Rio Piedras.

281424. No. 1801. 'Aji'. Cagues.

From the Solomon Islands.

281425. *CAPSICUM FRUTESCENS* L.

Redpepper.

No. 834. Guadalcanal.

From Surinam.

281426 to 281430. *CAPSICUM SINENSE* Jacq.

Pepper.

281426. No. 1720.

281429. No. 1740.

281427. No. 1725.

281430. No. 1741.

281428. No. 1736.

281431. *CAPSICUM FRUTESCENS* L.

Redpepper.

No. 1738.

From Turkey.

281432. *CAPSICUM ANNUUM* L.

Pimento.

No. 1823. 'Turkish Hot'.

From the United States.

281433 and 281434. *CAPSICUM ANNUUM* L.

Pimento.

281433. No. 975. Cameron County, Texas.

281434. No. 1954. Stockton, Calif.

281435. *CAPSICUM CHINENSE* Jacq.

No. 1878. 'Datil Pepper'. Petersburg, Fla.

281436 and 281437. *CAPSICUM PENDULUM* Willd. Solanaceae.

281436. No. 990. 'Brown's Pepper'. Oahu, Hawaii.

281437. No. 1941. Stockton, California.

From Venezuela.

281438 and 281439. *CAPSICUM CHINENSE* Jacq.

281438. No. 1496. 'Chirel'. Margarita Island.

281439. No. 1499. 'Sweet Red'. Margarita Island.

281440. *CAPSICUM SINENSE* Jacq.

Pepper.

No. 1849. 'Chirel Grande'. Maracay.

281441. *CAPSICUM CHINENSE* Jacq.

No. 1850. 'Vinagrito'. Maracay.

281442. *CAPSICUM SINENSE* Jacq.

Pepper.

No. 1851. 'Aji Picante'. Maracay.

281443 and 281444. *CAPSICUM CHINENSE* Jacq.

281443. No. 1852. 'Aceituno'. Maracay.

281444. No. 1853. 'Aceitico'. Maracay.

From country of unknown origin.

281445. *CAPSICUM FRUTESCENS* L.

Redpepper.

No. 989. 'Mombassa'.



**281446 to 281448. CUCUMIS SATIVUS L. Cucurbitaceae.****Cucumber.**

From Korea. Seeds presented by Yang Ho Hahm, Institute of Agriculture, Suwon. Received May 17, 1962.

281446. No. 2.

281447. No. 7.

281448. No. 9.

**281449 to 281451. SOLANUM TUBEROSUM L. Solanaceae. Potato.**

From Norway. Tubers presented by the Norges Landbrukskulturskoles Aker-vektforsok, Vollebakk. Received May 18, 1962.

281449. 'Pimpernel'. Tuber deep red; flesh yellow; excellent table quality. Resistance to many diseases, especially blight. Wart immune and nearly virus free.

281450. 'Urtica'.

281451. No. (R1R3) 54-6-16.

**281452 and 281453.**

From Sweden. Plants presented by the Balsgard Fruit Breeding Institute, Fjalkestad. Received May 22, 1962.

281452. VACCINIUM MYRTILLUS L. Vacciniaceae. **European whortleberry.**

281453. VACCINIUM ULIGINOSIS L. **Blueberry.**

**281454 and 281455. ZEA MAYS L. Poaceae. Corn.**

From the United States. Seeds presented by the College of Agriculture, University of Missouri, Columbia, Mo. Numbered May 22, 1962.

281454. 'Patterson Small Cob'. From Mississippi. High shelling percent; ears 6 to 9 inches long, sometimes prolific; kernels white; husk cover fairly good. Maturity 900-1000.

281455. 'Smiley Silage'. Originated near Cuba, Missouri. Grown for silage.

**281456. HORDEUM VULGARE L. Poaceae.**

From Chile. Seeds presented by the Estacion Experimental de la Sociedad Nacional de Agricultura, Santiago. Received May 22, 1962.

'Cruzat'. Plants medium high, very resistant to shattering and lodging; stem white, short, thick, strong; spike thick, six-lined with beard, long, clear yellow; grain medium size, fluted; seed coat thick, smooth. Sown in fall and winter, 160-200 kilos per 15,625 square meters. Not particular as to soil but produces best in fertile soil. Of great forage value. Resistant to rust but susceptible to *Puccinia graminis*.

**281457 to 281472. LINUM USITATISSIMUM L. Linaceae. Flax.**

From Argentina. Seeds presented by the Estacion Experimental Agropecuaria Pergamina, Pergamino. Received May 22, 1962.

281457. E.E.P. 16. aH827-F4-68.

281458. E.E.P. 45. Buck 114 D.P.G.41034.

281459. E.E.P. 47. Buenos Aires 106.

281460. E.E.P. 82. Charrua Mejorada MAG.

281461. E.E.P. 92. 1772/48-1-2-1-1-(T.P. Taragui SAG).

281462. E.E.P. 320. Entre Rios D.P.G.45320.

281463. E.E.P. 366.Hp490 F5-0-3-(Oliv. Timbu).

281464. E.E.P. 561. Oliveros Toba.

**281457 to 281472—Continued**

281465. E.E.P. 571. Pergamino Pampa MAG.  
281466. E.E.P. 572. Pergamino Puelche MAG.  
281467. E.E.P. 575. Querandi MA.  
281468. E.E.P. 2263. 15H808-6-1-18-5-(Mocoreta).  
281469. E.E.P. 2264. 15H808-6-1-99-1-3.  
281470. E.E.P. 2265. aH811 F6-150.  
281471. E.E.P. 2266. aH189-F6-619.  
281472. E.E.P. 2267. aH827-F5-30.

**281473. ORYZA SATIVA L. Poaceae.****Rice.**

From Italy. Seeds presented by the Stazione Speriemntale di Risicolura e Delle Coltivazione Irrigue, Vercelli. Received May 22, 1962.

'Criollo Chirque' × 'Balilla'. NG 61.

**281474. RICINUS COMMUNIS L. Euphorbiaceae.****Castorbean.**

From Brazil. Seeds obtained from the Anderson-Clayton Plantation, Sao Paulo, and presented by the Baker Castor Oil Co., Plainview, Tex. Received May 22, 1962.

**281475 to 281480.**

From the Netherlands. Plants purchased from Wed. P. Eveleens & Zonen, Aalsmeer. Received May 23, 1962.

281475. BEGONIA sp. Begoniaceae.

'Christmas White'.

281476. BEGONIA sp.

'Ege's Favorite'.

281477. BEGONIA sp.

'Marina'.

281478. BEGONIA sp.

'Regent'.

281479. HYDRANGEA sp. Hydrangeaceae.

'Europa'.

281480. HYDRANGEA sp.

'Socur Therese'.

**281481. VIBURNUM TRILOBUM Marsh. Caprifoliaceae.**

From Canada. Plants presented by the Woodland Nurseries, Ltd., Cooksville, Ontario. Received May 23, 1962.

**281482. SOLANUM TUBEROSUM L. Solanaceae.****Potato.**

From Australia. Tubers presented by the Department of Agriculture, Sydney, New South Wales. Received May 24, 1962.

'Murru'.

**281483 to 281486.**

From Puerto Rico. Seeds presented by the Tropical Research Medical Laboratory, Fort Brooke. Received May 24, 1962.

281483. HIBISCUS ACETOSELLA Welw. Malvaceae.

For Buchanan. Flowers and leaves red. Ornamental. Harbors boll weevil.

**281483 to 281486—Continued**

281484 and 281485. *HIBISCUS BIFURCATUS* Cav. Rosemallow.

281484 A. Flower lavender. Collected near Punta Salinas, in saltmarsh among sawgrass and mangroves.

281485. A-1. Collected along airport road, San Juan. Fresh water swamp.

281486. *HIBISCUS* sp.

B. Collected along airport road, San Juan. Dry situation. Received as *H. purcellatus*.

**281487 to 281489. BETA VULGARIS L. Chenopodiaceae.**

**Common beet.**

From Canada. Seeds presented by the Dominion Arboretum and Botanic Garden, Plant Research Institute, Ottawa. Numbered May 25, 1962.

281487. 'Frontenac'. C.A.N. 5165. A smooth yellow intermediate, moderately free from pronginess (coarse shoulders). Apparently resistant to *Cercospora* leaf spot. Ames observations: First year; roots uniform to 9 inches long, 3 to 4 inches diameter, orange. Second year; plants vigorous, to 40 inches high, seed set good.

281488. 'Moore's Yellow Intermediate'. C.A.N. 5167. Green yield good. Ames observations: First year; roots moderately uniform, flat, 2 inches thick and 2 to 4 inches diameter, orange. Second year; plant vigorous, to 36 inches high, seed set good.

281489. 'Tip Top'. C.A.N. 5120. Yellow intermediate with good keeping qualities, high dry matter content. Marked resistance to *Cercospora* leaf spot. Ames observations: First year; roots uniform to 9 inches long, 2 to 3 inches in diameter, orange. Second year; plants vigorous, to 36 inches high, seed set good.

**281490 to 281520. CARICA PAPAYA L. Caricaceae.**

**Papaya.**

From New Guinea. Seeds presented by the Director of Agriculture, Port Moresby. Received May 28, 1962.

From Central District.

281490. No. 1. 281493. No. 4.

281491. No. 2. 281494. No. 5.

281492. No. 3.

From Fischhafen.

281495. P. 1. 281499. P. 5.

281496. P. 2. 281500. P. 6.

281497. P. 3. 281501. P. 7.

281498. P. 4. 281502. P. 8.

From Samarai, Milne Bay.

281503. No. 1.

281504. No. 2.

From Morobe District.

281505. No. 1. Long red.

281506. No. 2. Large Yellow.

281507. No. 3. Medium yellow.

281508. No. 4. Long yellow.

281509. No. 5. Large yellow.

281510. No. 6. Round oval, yellow.



**281490 to 281520—Continued**

- 281511. No. 7. Small round, yellow.
- 281512. No. 8. Red, medium.
- 281513. No. 9. Round, yellow, smooth.
- 281514. No. 10. Oval, yellow.
- 281515. No. 11. Yellowish white.
- 281516. No. 12. Large red.
- 281517. No. 13. Long pink.
- 281518. From Highlands Morobe District. Flesh yellow.
- 281519. From Madang District.
- 281520. From Goroka, E. Highlands.

**281521 and 281522. COLOCASIA ESCULENTA (L.) Schott Araceae. Taro.**

From Japan. Bulbs presented by the United States Embassy, Tokyo. Received May 29, 1962.

- 281521. 'To-no-imo'.
- 281522. 'Yatsu-Gashira'.

**281523 to 281532. HORDEUM VULGARE L. Poaceae.**

From Argentina. Seeds presented by the Instituto de Fitotecnica, Castelar. Received May 29, 1962.

- 281523. 'Bordenave Ranquelina'.
- 281524. 'Buck 111'.
- 281525. 'Buenos Aires 109'.
- 281526. 'Guatrache Araucana'.
- 281527. 'La Prevision 19'.
- 281528. 'Malteria 150'.
- 281529. 'Malteria Heda'.
- 281530. 'Negra Manfredi'. Seeds black.
- 281531. 'Negra Pergamino'. Seeds black.
- 281532. 'Oliveros Litoral'.

**281533 and 281534. HORDEUM VULGARE L. Poaceae.**

From Belgium. Seeds presented by the Station de Recherches de l'Etat l'Amelioration des Plantes de Grande Culture, Gembloux. Received May 29, 1962.

- 281533. 'Eclat'. Spring type; two-rowed; awns loose; beards short (type D); glumes ridged, edges glossy; dorsal and lateral leaves with anthocyanin and no denticles. Compared to 'Ingrid': a little earlier and superior in production; almost resistant in lodging; straw longer; equal in leaf rust resistance; superior in mildew resistance (equal to 'Pirolina'); resistant to *Helminthosporium*. Good brewing quality.
- 281534. 'Mosane'. Description, culture and resistances except that seed is larger, are same as for 'Eclat'. Good producer. Valuable for brewing purposes.

**281535 to 281537. LINUM USITATISSIMUM L. Linaceae. Flax.**

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Estacion Experimental Pergamino, Pergamino. Received May 29, 1962.

**281535 to 281537—Continued**

281535. E.E.P. 145.

281536. E.E.P. 608.

281537. E.E.P. 671.

**281538 to 281541. SOLANUM TUBEROSUM L. Solanaceae. Potato.**

From Sweden. Tubers presented by the Swedish Seed Association, Svalov.  
Received May 29, 1962.

281538. N6.

281540. 54090.4.

281539. 5406.1.

281541. 54090.10.

**281542. MALUS (hybrid). Malaceae.**

From South Africa. Budsticks presented by Mrs. J. Whitfield, Pt. Shepstone  
Natal. Received May 29, 1962.

‘Tropical Beauty’.

**281543 to 281546. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From Israel. Seeds presented by the Plant Introduction Service, Beit Dagan.  
Received May 31, 1962.

281543. No. 227. F 230-16.

281545. No. 230. P-49B-146.

281544. No. 228. F 333-16.

281546. No. 232. E. G. Red.

**281547 to 281556.**

From Japan. Seeds presented by the Agency for International Development,  
United States Embassy, Tokyo. Received May 31, 1962.

**281547 to 281552. BRASSICA OLERACEA var. CAPITATA L. Brassicaceae. Cabbage.**

281547. ‘Aichi-natsumaki’. Plants small, midseason to late maturing, highly resistant to cold; outer leaves few, moderate green, purplish in winter, surface smooth; head flattened globe, medium size; quality good. Yields to 75 tons per hectare. Planted late June to early August; harvested October to March. Not particular as to soil but generally grown on low lands. Leading variety in Chubu District, latitude 35° N.

281548. ‘Nagaoka-kohai No. 1’ or ‘O-S Cross’. F<sub>1</sub> hybrid. Midseason to late variety susceptible to heat and cold and has tendency to bolt. Outer leaves large, spreading to 60 cm., light green; head flat, compact, uniform, to 2.5 kg.; quality very good. Yields to 45 tons per hectare. Planted mid-September to late October and in spring; fall planting harvested late May to late June. Adapted to most soils for fall planting but requires well drained soils for spring planting. Generally grown on low lands. Popular in Kanto District, latitude 35° to 37° N. and southward.

281549. ‘Nagaoka-kohai-akimaki-gokuwase’ or ‘F-C Cross’. F<sub>1</sub> hybrid. Plants small, early maturing, with little tendency to bolt. It is sensitive to heat and cold. Outer leaves few, undulate, light green, spreading to about 45 cm.; heads small, nearly spherical, to 1 kg.; texture thin, quality not too good.

Yields to 20 tons per hectare. It is planted about a week earlier than other fall planted varieties, but bolts if planted too early. Planted mid-September in Kanto District; harvested mid- to late April. No particular as to soil, but generally grown on low lands.

281550. ‘Nagaoka-kohai-shikidori’ or ‘N-S Cross’. F<sub>1</sub> hybrid. Midseason variety with little tendency to bolt and highly tolerant of heat, cold and wet. Outer leaves numerous, dark green, spreading to 65 cm.; head oblate, interior hard, to 2.5 kg.; quality poor. Yields to 55 tons per hectare. Planted in August; harvested mid-February to early April. Not particular as to soil, except well drained for spring planting. Popular in Kanto District and southward for spring crop.

**281547 to 281556—Continued****281547 to 281552—Continued**

281551. 'Nambu'. Late variety highly tolerant of heat and cold; outer leaves numerous, green, bloom heavy, spreading to 65 cm.; head oblate, to 2.5 kg.; texture tough; quality not too good. Yields to 40 tons per hectare. Planted in mid-April to mid-May; harvested late August to early October. Not particular as to soil. Leading variety in Tohoku District, Iwate Prefecture, latitude 37° to 41° N.

281552. 'Yoshin'. Early variety highly tolerant of heat and wet. Outer leaves few, light green, spreading to 55 cm.; head structure loose, to 1.5 kg.; texture tender, juicy; quality good. Yields to 25 tons per hectare. Planted in late spring to early July as it has tendency to bolt if planted in early spring or late summer; harvested early August to late October. Adapted to sandy loams and loamy soils rich in organic matter. Highly resistant to black leg. An improved northern Formosa variety grown in the Tokai District, Japan, latitude 35° N.

**281553 to 281555. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**

281553. 'Furuya K-go'. Plants tall, vigorous, very productive, tolerant of high and low temperatures, resistant to fusarium wilt, late blight and virus. Fruit slightly flattened, to 350 grams; flesh firm, thick; seeds few. Harvested from bottom to 15th cluster, yielding to 12 tons per hectare. Sown in plastic tunnels late January and in fields early to mid-February for transplanting early April to early May; harvested mid-June to mid-October. Adapted to light soils. A good shipper.

281554. 'Hikari'. Plant small, early to midseason variety resistant to fusarium wilt and late blight; fruits slightly oblong, uniform, to 250 grams. Yield high in early stage; fruit coloring, quality and keeping qualities good. Sown in January in plastic houses, transplanted mid- to late March and harvested from mid-May. Adapted to sandy and clayey soils.

281555. 'Kiyosu No. 2'. Plant vigorous, late maturing; fruits slightly oblong, medium size, pink, coloring fast and uniform; good quality, especially for juice and puree (in Japan). Sown mid-February, transplanted late April, harvested late June. Adapted to clay soils which do not dry out in summer, where it is harvested over a long period. Important for processing and marketing.

**281556. PHASEOLUS VULGARIS L. Fabaceae.****Common bean.**

'Otenashi' or 'White Navy Bean'. Plants semi-viny, resistant to anthracnose and angular leaf spot; pods hard, thick, tolerant of wet; dark purplish before maturing; seeds large, white, short oval. Planted late May to early June, harvested in October, requiring to 150 frost-free days at optimum temperature. Adapted to fertile sandy loam alluvial soils.

**281557 to 281593.**

From Turkey. Seeds collected by D. R. Cornelius, Forage and Range Branch, Crops Research Division, Berkeley, California. Received May 31, 1962.

**281557 and 281558. CORONILLA CAPPADOCICA Willd. Fabaceae.**

281557. Col. No. 691.

281558. Col. No. 706.

**281559 and 281560. CORONILLA SCORPIOIDES (L.) Kóch**

281559. Col. No. 304.

281560. Col. No. 542.

**281561 to 281565. CORONILLA VARIA L.****Crownvetch.**

281561. Col. No. 503.

281564. Col. No. 677.

281562. Col. No. 583.

281565. Col. No. 904.

281563. Col. No. 615.



**281557 to 281593—Continued**281566. *CORONILLA* sp.

Col. No. 907.

281567. *CORONILLA* sp.

Col. No. 930.

281568 to 281588. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**

281568. Col. No. 79.

281579. Col. No. 653.

281569. Col. No. 257.

281580. Col. No. 693.

281570. Col. No. 260.

281581. Col. No. 718.

281571. Col. No. 536.

281582. Col. No. 790.

281572. Col. No. 537.

281583. Col. No. 807.

281573. Col. No. 557.

281584. Col. No. 823.

281574. Col. No. 564.

281585. Col. No. 837.

281575. Col. No. 575.

281586. Col. No. 866.

281576. Col. No. 584.

281587. Col. No. 873.

281577. Col. No. 628.

281588. Col. No. 899.

281578. Col. No. 636.

281589. *LOTUS SULPHUREUS* Boiss.

Col. No. 666.

281590. *LOTUS* sp.

Col. No. 272.

281591. *LOTUS* sp.

Col. No. 277.

281592. *LOTUS* sp.

Col. No. 789.

281593. *LOTUS* sp.

Col. No. 797.

281594 to 281597. *PHASEOLUS VULGARIS* L. Fabaceae.**Common bean.**

From Italy. Seeds presented by Arturo Ansaloni, Bologna. Received May 31, 1962.

281594. 'Corallo Romanesco'. Plant climber, reportedly has large, broad, pods to 16 cm. long and 2 cm. wide; of excellent quality and flavor as green beans; seeds large, oval, flattened, blackish brown.

281595. Plant dwarf; seed oval, flattened to round, two-tone, maroon on light tan.

281596. Plant climber; seeds large, oval, flattened, two-tone, maroon on light tan.

281597. Climbing kidney bean; seeds oval, roundish, two-tone, maroon on light tan.

281598 to 281603.

From Argentina. Seeds presented by la Division de Exploraciones and Introduccion de Plantas, Direccion General de Fomento Agricola, Buenos Aires. Received May 31, 1962.

**281598 to 281603—Continued**281598. *PHALARIS PLATENSIS* (Arech.) Valencia Poaceae.

PF 59F.

281599. *STIPA COMATA* Trin. & Rupr. Poaceae. Needle-and-thread grass.281600. *STIPA IBARI* R. Phil.281601. *STIPA NEAEI* Nees ex Steud.281602. *STIPA PSYLANTHA* Speg.281603. *STIPA* sp.**281604. *CARICA PAPAYA* L. Caricaceae.****Papaya.**

From Costa Rica. Seeds presented by the Institute of Inter-American Affairs, San Jose. Received June 4, 1962.

From a hermaphroditic plant from the Quepos region. Fruit from which seeds were obtained was red fleshed, of above average quality, weighing 7 to 8 pounds.

**281605. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. Leadtree.**

From the United States Virgin Islands. Seeds presented by the Virgin Islands Agricultural Program, Kingshill, St. Croix. Received June 5, 1962.

**281606 to 281610.**

From countries indicated. Seeds presented to the Agency for International Development, Bogota, Colombia. Received June 5, 1962.

**281606 to 281609. *LEUCANENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. Leadtree.**

281606. Introduction Garden, Experiment Station, Palmira, Colombia.

281607. Coffee Station, San Andres, north of Santa Tecla, El Salvador.

281608. Near Hotel Flamingo, Ocotopeque, Honduras.

281609. Merida, Yucatan, Mexico. Plants difficult to find in grazed areas because of palatability.

**281610. *SAMANEA SAMAN* (Jacq.) Merr. Mimosaceae. Raintree.**  
Palmira, Colombia. Received as *Pithecellobium saman*, a synonym.**281611 to 281618. *THEOBROMA CACAO* L. Sterculiaceae. Cacao.**

From the British West Indies. Seeds presented by the Cocoa Board, Ministry of Agriculture, St. Clare, Port-of-Spain, Trinidad. Received June 5, 1962.

281611. IMC-67 × PA-218.

281615. IMC-67 × TSA-655.

281612. IMC-67 × SCA-6.

281616. IMC-67 × TSH-565.

281613. IMC-67 × SCA-12.

281617. IMC-67 × TSAN-784.

281614. IMC-67 × TSA-644.

281618. TSA-644 × IMC-67.

**281619 to 281621. *CITRUS NOBILIS* var. UNSHIU (Mak.)**

Swingle Rutaceae.

**Satsuma orange.**

From Japan. Seeds presented by the National Horticultural Research Station, Okitsu, Shimizu City, Shizuoka-ken. Received June 6, 1962.

281619. From Hayashi.

281620. From Sugiyama.

281621. No data.

**281622 and 281623.**

From Japan. Seeds presented by the Agency for International Development, Tokyo. Received June 11, 1962.

**281622.** *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

'Kasuga No. 2'. Plants vigorous, late maturing, tolerant of high temperature; stem and leaves large; flower setting good; fruits large, slightly oblong, bright pink. Adapted to light soils, especially to alluvial sandy loams and on hills to 500 meter elevation. Planted late February; transplanted late April; harvested late June. Grown for late shipping.

**281623.** *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

'Chikushi-Ohirazaya'. Seeds kidney shaped, smallish, tan, striated.

**281624 to 281626.**

From India. Seeds presented by the Division of Botany, Indian Agricultural Research Institute, New Delhi. Received June 12, 1962.

**281624.** *DOLICHOS LABLAB* L. Fabaceae. **Hyacinth-bean.**

**281625 and 281626.** *SEHIMA NERVOSUM* (Rottl.) Stapf Poaceae.

**281625.** Pl. 320/1. Male fertile.

**281626.** Pl. 320/2. Male fertile.

**281627.** *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. **Leadtree.**

From Australia. Seeds presented by the Botanic Gardens, Adelaide. Received June 12, 1962.

**281628 to 281633.** *ORYZA SATIVA* L. Poaceae. **Rice.**

From Japan. Seeds presented by the National Institute of Agricultural Sciences, Hiratsuka, Kanagawa. Received June 12, 1962.

**281628.** 'Bozu'. **281631.** 'Tomoemasari'.

**281629.** 'Isao-Mochi'. **281632.** 'Wase-Bozu'.

**281630.** 'Norin 11'. **281633.** 'Wase-Shiroke'.

**281634 and 281635.**

From Singapore. Seeds purchased from Hooglandt and Company. Originally from Indonesia. Received June 12, 1962.

**281634.** *CALOPOGONIUM MUCUNOIDES* Desv. Fabaceae.

**281635.** *CENTROSEMA PUBESCENS* Benth. Fabaceae.

**281636.** *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. **Leadtree.**

From Tanganyika. Seeds presented by the Northern Region Research Center, Tengeru, Arusma. Received June 12, 1962.

**281637.** *TRIFOLIUM HYBRIDUM* L. Fabaceae. **Alsike clover.**

From Canada. Seeds presented by the Genetics and Plant Breeding Research Institute, Central Experimental Farm, Ottawa. Received June 12, 1962.

'Aurora'.

**281638.** *SPERGULA ARVENSIS* L. Silenaceae. **Spurry.**

From France. Seeds presented by Vilmorin-Andrieux, Paris. Received June 12, 1962.

Common spurry.



**281639. MISCANTHIDIUM sp. Poaceae.**

From the Republic of South Africa. Seeds presented by the National Herbarium, Division of Botany, Pretoria. Received June 13, 1962.

**281640 to 281690. GOSSYPIUM (hybrids). Malvaceae.**

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Received June 13, 1962.

281640. CB-SP 78.	281666. CB-SP 121.
281641. CB-SP 80.	281667. CB-SP 123.
281642. CB-SP 82.	281668. CB-SP 129.
281643. CB-SP 84.	281669. CB-SP 131.
281644. CB-SP 87.	281670. CB-SP 136.
281645. CB-SP 89.	281671. CB-SP 145.
281646. CB-SP 91.	281672. CB-SP 145. Plant No. 6.
281647. CP-SP 92.	281673. CB-SP 147.
281648. CB-SP 94.	281674. CB-SP 153.
281649. CB-SP 95.	281675. CB-SP 154.
281650. CB-SP 96.	281676. CB-SP 155.
281651. CB-SP 98.	281677. CB-SP 156.
281652. CB-SP 100.	281678. CB-SP 157.
281653. CB-SP 102.	281679. CB-SP 158.
281654. CB-SP 103.	281680. CB-SP 159.
281655. CB-SP 104.	281681. CB-SP 166.
281656. CB-SP 105.	281682. CB-SP 172.
281657. CB-SP 106.	281683. CB-SP 173.
281658. CB-SP 107.	281684. CB-SP 190.
281659. CB-SP 111.	281685. CB-SP 191.
281660. CB-SP 112.	281686. CB-SP 192.
281661. CB-SP 113.	281687. CB-SP 193.
281662. CB-SP 114.	281688. CB-SP 194.
281663. CB-SP 115.	281689. CB-SP 196.
281664. CB-SP 118.	281690. CB-SP 200.
281665. CB-SP 120.	

**281691 to 281709. SOLANUM TUBEROSUM L. Solanaceae. Potato.**

From the Union of Soviet Socialist Republics. Tubers presented by the All-Union Institute of Plant Industry, Leningrad. Received June 13, 1962.

281691. 'Druzhba' ('Berlichingen' × 'Epron'). Second early, main crop. Wart resistant.
281692. 'Fitoforovstojzivij'.
281693. 'Jaroslavskij'.
281694. 'Juzanin'.
281695. 'Korenevskij' ('Switjez' × 'Furstenkrone'). Main crop. Susceptible (presumably to wart).
281696. 'Lirekimec'.
281697. 'Moskovskij' ('Fitoforovstojzivij' × 'Alma'). Second early. Susceptible.

**281691 to 281709—Continued**

281698. 'Nahodka'.

281699. 'Peredovik' ('Early Rose' × 'Jubel'). Main crop. Wart resistant.

281700. 'Puskinskij'.

281701. 'Rostovskij'.

281702. 'Severnaja Rosa' ('Early Rose' × 'Jubel'). Second early. Wart resistant.

281703. 'Sovetskij' ('Imperator' × 'Furstenkrone'). Main crop. Susceptible.

281704. 'Sviazskij'.

281705. 'Uhtomskij'.

281706. 'Volhovskij'.

281707. 2-4.

281708. 'Lorch' ('Switez' × 'Furstenkrone'). Main crop. Susceptible. Free from Virus X.

281709. 'Priekulskij'. Free from Virus X.

**281710. MALUS SYLVESTRIS Mill. Malaceae.**

From the Bahamas. Budsticks presented by the Department of Agriculture, Nassau. Received June 14, 1962.

'Dorsett Golden'. Seedling of 'Golden Delicious'.

**281711. PHASEOLUS VULGARIS L. Fabaceae. Common bean.**

From Spain. Seeds presented by the Agency for International Development, United States Embassy, Madrid. Received June 15, 1962.

'Bountiful' R1524. From the Institute de Nacional de Investigaciones Agronomicas, Centro de Cerealiculturo. Seeds oval, light tan, about 0.5 inch long.

**281712 to 281737.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received June 21, 1962.

281712 and 281713. *ALLIUM BARSCZEWSKII* Lipsky Liliaceae.

281712. No. 156. Hortus Botanicus, Tashkent.

281713. No. 279. Hortus Botanicus, Tadzhikistan.

281714. *ALLIUM BREVIDENS* Vedenky

No. 157. Hortus Botanicus, Tashkent.

281715. *ALLIUM CAESIUM* Schrenk

No. 279. Hortus Botanicus, Tadzhikistan.

281716. *ALLIUM FIBROSUM* Regel

No. 164. Hortus Botanicus, Tashkent.

281717. *ALLIUM FILIDENS* Regel

No. 165. Hortus Botanicus, Tashkent.

281718. *ALLIUM KUJUKENSE* Vedenky

No. 178. Hortus Botanicus, Tashkent.

281719 and 281720. *ALLIUM LONGICUSPIS* Regel

281719. No. 179. Hortus Botanicus, Tashkent.

281720. No. 279. Hortus Botanicus, Tadzhikistan (Bulbils).

**281712 to 281737—Continued**

281721 and 281722. *ALLIUM OSCHANINII* B. Fedtsch.

281721. No. 185. Hortus Botanicus, Tashkent.

281722. No. 279. Hortus Botanicus, Tadzhikistan.

281723. *ALLIUM POPOVII* Vedensky

No. 190. Hortus Botanicus, Tashkent.

281724. *ALLIUM RUBELLUM* Bieb.

No. 172. Hortus Botanicus, Tashkent.

281725. *ALLIUM SABULOSUM* Stev.

No. 192. Hortus Botanicus, Tashkent.

281726. *ALLIUM TURCOMANICUM* Regel

No. 205. Hortus Botanicus, Tashkent.

281727. *ALLIUM VAVILOVII* Popov & Vved.

No. 207. Hortus Botanicus, Tashkent.

281728 to 281737. *CRAMBE ABYSSINICA* R. E. Fries Brassicaceae.

281728. No. 1. Voronez region. South of Moscow—like Dakotas.

281729. No. 2. Krasnodar. Near Black Sea—like Kansas.

281730. No. 4. Moldavia. Next to Romania—like Iowa.

281731. No. 5F. All-Union Research Institute of Oil & Essential Crops, Krasnodar.

281732. No. 6. 'Bashkiria'.

281733. No. 7. 'Voronezskaja'.

281734. No. 8. 'Bashkiria'.

281735. No. 10. Volynsk region.

281736. No. 11. The Ukraine.

281737. No. 14. Botanical Garden, Kiev, Ukraine.

281738. *DIGITARIA HERPOCLADOS* Pilger Poaceae.

From China. Cuttings presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received June 21, 1962.

281739. *COFFEA ARABICA* L. Rubiaceae.

**Arabian coffee.**

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received March 6, 1962. Numbered June 25, 1962.

Col. No. 8160. Collected Feb. 6, 1962, from cultivated plants along a stream in a gallery forest below mission station, Ghimbie, Wollega Province (lat. 9°11' N., long. 35°50' E.). Elevation 1,850 meters. Evergreen shrub to 8 feet high; variability most evident in fruit size and diameter of blossom scar.

281740 to 281752. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From Fiji. Cuttings presented by the South Pacific Sugar Mills. Limited, Lautoka. Received June 26, 1962.

281740. Fiji 21.

281745. Fiji 66.

281741. Fiji 23.

281746. Fiji 70.

281742. Fiji 25.

281747. Fiji 71.

281743. Fiji 56.

281748. Fiji 72.

281744. Fiji 60.

281749. Fiji 73.



**281740 to 281752—Continued**

281750. Fiji 74.

281752. Fiji 76.

281751. Fiji 75.

**281753 and 281754.** CHIMONOBAMBUSA QUADRANGULARIS (Fenzi)  
Makino Poaceae. **Bamboo.**

From Japan. Roots presented by Thomas L. Blakemore, Tokyo. Received April 9, 1962. Numbered June 28, 1962.

281753. Nokogiriyama, Chiba (30 miles east of Tokyo).

281754. Kamakura, Kanagawa Pref., western side of Miura Peninsula (50 miles south of Tokyo).

**281755.** PERSEA AMERICANA Mill. Lauraceae. **Avocado.**

From Mexico. Cuttings presented by the United States Embassy, Mexico City. Received July 2, 1962.

From seedling tree at entrance of Chapultepec Park, Mexico City. Reported to have withstood temperature as low as 9° F.

**281756.** NICOTIANA SPEGAZZINII Millan Solanaceae.

From Argentina. Seeds presented by the Direccion General de Fomento Agricola, Buenos Aires. Received July 5, 1962.

Plants found between Potrerillos and Estacion Gindo. Elevation 1,550 meters.

**281757 to 281760.** ORYZA SATIVA L. Poaceae. **Rice.**

From France. Seeds presented by the Station d'Amelioration des Plantes, Ecola Nationale d'Agricultura, Montpellier. Received July 5, 1962.

281757. 'Arlesienne'.

281759. 'Cigalon'.

281758. 'Cesariot'.

281760. 'Fanny'.

**281761.** SORGHUM BICOLOR (L.) Moench Poaceae.

From the British West Indies. Seeds presented by the Department of Science and Agriculture, St. Michael, Barbados. Received July 5, 1962.

'Guinea Corn'.

**281762 and 281763.** DESMODIUM INTORTUM (Mill.) Urb. Fabaceae.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei. Received July 5, 1962.

281762. C18.

281763. C50.

**281764 and 281765.** ORYZA SATIVA L. Poaceae. **Rice.**

From Korea. Seeds presented by the Crops Experiment Station, Suwon. Received July 5, 1962.

281764. 'Jae Keun' (Suwon 152).

281765. 'Jin Heung' (Suwon 158).

**281766 to 281775.**

From New Guinea. Seeds obtained from the Plant Introduction and Quarantine Station, Laloki, Papua. Received July 5, 1962.

**281766 to 281769.** LEUCAENA (hybrids). Mimosaceae.

All are from New Guinea, unless otherwise noted.

**281766.** N.G. 4385. *L. leucocephala* × *L. pulverulenta*. 'Pantai Lox 22'.

**281766 to 281775—Continued****281766 to 281769—Continued**

281767. N.G. 4499. *L. leucocephala* × *L. pulverulenta*. 'Pantai PA7'.

281768. N.G. 4500. *L. leucocephala* × *L. pulverulenta*. 'Pantai 10'.

281769. Possibly *L. leucocephala* × *L. glabrata*. Lowlands Agricultural Experiment Station, Keravat, Rabaul, New Britain.

281770 to 281775. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae.  
**Leadtree.**

All are from New Guinea, unless otherwise noted.

281770. N.G. 4162. El Salvador strain.

281771. N.G. 4163. Guatemala strain.

281772. N.G. 4164. Peru strain.

281773. N.G. 4498. Pobaim strain 104 "lamtoro besar".

281774. Local strain, Papua, New Guinea.

281775. Local strain, Keravat, New Britain.

**281776. GOSSYPIMUM (hybrid). Malvaceae.**

From Colombia. Seeds presented by the Servicio Tecnico Agrícola Colombiano Americano, Bogota, through the Agency for International Development, United States Embassy, Bogota. Received July 6, 1962.

Supposedly a natural hybrid between *G. vitifolium* and an unknown *Gossypium* discovered in the dry Carribean coast area.

281777 to 281779. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit.  
Mimosaceae. **Leadtree.**

From New Caledonia. Seeds presented by an unknown donor, Noumea. Received July 6, 1962.

281777. A1.

281778. A2.

281779. A3.

281780. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae.  
**Leadtree.**

From Puerto Rico. Seeds presented by the Estacion Experimental Agrícola, Rio Pedras. Received July 6, 1962.

281781. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae.  
**Leadtree.**

From Ceylon. Seeds presented by the Royal Botanic Gardens, Peradeniya.  
Received July 6, 1962.

281782. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae.  
**Leadtree.**

From Ghana. Seeds presented by the University College of Ghana, Legon.  
Received July 6, 1962.

Collected on the campus.

281783. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae.  
**Leadtree.**

From Sierre Leone. Seeds presented by the Department of Agriculture, New England, Freetown. Received July 6, 1962.

**281784. LEUCAENA LEUCOCEPHALA (Lam.) de Wit Mimosaceae. Leadtree.**

From the Republic of Senegal. Seeds presented by the Centre de Recherches Agronomiques, Bambey. Received July 6, 1962.

NX35. El Salvador strain.

**281785 to 281787. ORYZA SATIVA L. Poaceae. Rice.**

From Japan. Seeds presented by the National Institute of Agricultural Sciences, Hiratsuka, Kanaguwa. Received July 6, 1962.

281785. 'Kongo'. G. S. 1231.

281786. 'Noria 1'. G. S. 289.

281787. 'Noria 17'. G. S. 285.

**281788 to 281792. ORYZA SATIVA L. Poaceae. Rice.**

From Chile. Seeds obtained and presented by J. Sambola, Producers Rice Mill, Stuttgart, Arkansas. Received July 6, 1962.

281788. No. 1. 281791. No. 4.

281789. No. 2. 281792. No. 5.

281790. No. 3.

**281793 and 281794. ORYZA SATIVA L. Poaceae. Rice.**

From Portugal. Seeds presented by the Estacas Agronomica Nacional, Oeiras. Received July 6, 1962.

281793. 'R. Bersani'.

281794. 'Stirpe 136'.

**281795 to 281807. ORYZA SATIVA L. Poaceae. Rice.**

From the Philippines. Seeds presented by the Department of Agriculture and Natural Resources, Bureau of Plant Industry, Naligaya Experiment Station, Munoz, Nueva Ecija. Received July 6, 1962.

281795. B-E-3. 281802. FK-170.

281796. 'Binicol'. 281803. 'Macapilay Pusa'.

281797. 'Dinafor'. 281804. 'Peta'.

281798. FB-76. 281805. 'Pinursigue'.

281799. FB-120. 281806. 'Raminad Str. 3'.

281800. FB-124. 281807. 'Wag-Wag'.

281801. FK-135.

**281808 and 281809.**

From Great Britain. Plants presented by the Royal Botanic Gardens, Kew, Richmond, England. Received July 6, 1962.

281808. NEPENTHES RAFFLESIANA Jack Nepenthaceae.

'Kewewsis'.

281809. NEPENTHES sp.

Unnamed.

**281810 to 281812. MANGIFERA INDICA L. Anacardiaceae. Mango.**

From Kenya. Seeds presented by the Horticultural Research Station, Department of Agriculture, Thika. Received July 9, 1962.

Polyembryonic mangoes reportedly of outstanding quality.

281810. 'Boribo'. From Lamu, North Coast of Kenya.



**281810 to 281812—Continued**

281811. 'Dodo'.

281812. 'Ngowe'. Fruit long, fibrous. Trees large, 55 feet spacing recommended.

**281813 to 281819.**

From Australia. Cuttings presented by the Adelaide Botanic Garden, Adelaide. Received July 10, 1962.

281813. *MENTHA ARVENSIS* var. *PIPERASCENS* Malinv. ex Bailey *Mentha*-  
ceae. Japanese mint.281814. *MENTHA AQUATICA* L.281815. *MENTHA PULEGIUM* L.281816. *MENTHA ROTUNDIFOLIA* Huds.

Originally from Hungary.

281817. *MENTHA SUAVIS* Guss.

Originally from Poland.

281818. *MENTHA* sp.

No. 1.

281819. *MENTHA* sp.

No. 2.

**281820 to 281840. CAMELLIA JAPONICA L. Theaceae.****Common camellia.**

From France. Plants presented by the Ville de Nantes Service des Plantations, Nantes. Received July 10, 1962.

281820. 'Ainfa Egeria'.

281831. 'Jenny Lind'.

281821. 'Anna Frost'.

281832. 'Latifolia'.

281822. 'Belle Jeannette'.

281833. 'Le Niobe'.

281823. 'Bella Romana'.

281834. 'Madame Canaert d'Hamale'.

281824. 'Charles Blard'.

281835. 'Martin Cachet'.

281825. 'Darsii'.

281836. 'Picturata'.

281826. 'Duchesse de Berry'.

281837. 'Rubens'.

281827. 'Duchesse d'Orleans'.

281838. 'Sommanbula'.

281828. 'Fire Ball'.

281839. 'Triomphant'.

281829. 'Giardino Schmitz'.

281840. 'Valtevedero'.

281830. 'Il Giogello'.

**281841 and 281842.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received July 10, 1962.

281841. *POLYGONUM SACHALINENSE* F. Schmidt ex Maxim. *Polygona*-  
ceae. Sacaline.281842. *TRITICUM AESTIVUM* L. Poaceae.**Common wheat.**

No. 34633. 'Lutescens Artemovka'. Spring type from the Volgograd region.

**281843 to 281846. ORYZA SATIVA L. Poaceae.****Rice.**

From Hong Kong. Seeds presented by the Agriculture and Forestry Department, Kowloon. Received July 10, 1962.

**281843 to 281846—Continued**

281843. 'Fa Yin Tsai'.

281845. 'Lo Shu Ngar'.

281844. 'Kam Bau Ngan'.

281846. 'Pak Huk Chai Mei'.

**281847. ORYZA SATIVA L. Poaceae.****Rice.**

From the Philippines. Seeds presented by the International Rice Research Institute, Manila. Received July 10, 1962.

'Malakit Sungsong'. Glutinous rice from Los Banos, Laguna.

**281848. GLADIOLUS sp. Iridaceae.**

From Iraq. Seeds presented by the University of Baghdad, Abu Ghraib. Received July 10, 1962.

**281849. DELPHINIUM DASYCAULON Fresen. Ranunculaceae.**

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received July 10, 1962.

Col. No. 7465. Grassy slopes, west side of Acachi River, 1 km. north of main road bridge, 17 km. south of Addis Ababa, Shoa Prov. 8°52' N., 38°47' E. Elevation 1,165 meters. Perennial from a slender woody root, to 7.5 dm. high; flowers deep blue.

**281850. GLYCINE MAX (L.) Merrill Fabaceae.****Soybean.**

From Japan. Seeds presented by the Laboratory of Plant Breeding, Hyogo University of Agriculture, Hyogo. Received July 10, 1962.

'Wase-shiroge'.

**281851 to 281855. HORDEUM VULGARE L. Poaceae.**

From Australia. Seeds presented by the Department of Agriculture, South Perth. Formerly from the Agricultural Research Station, Merredin. Received July 20, 1962.

281851. Genetic Stock No. 120. 'Ablyn', 'Abyssinnian' × 'Flynn'. Six-row variety; grain white. Yields higher, matures later and tolerates wetter regions than 'Beecher'.

281852. Genetic Stock No. 121. 'Arabian Blue'. A blue-grained six-row variety with naked kernels of unknown parentage. Maturity similar to 'Atlas'.

281853. Genetic Stock No. 126. 'Californian No. 1'. A white-grained six-row variety from California. Maturity similar to 'Atlas' which it closely resembles.

281854. Genetic Stock No. 135. 'Maltworthy'. 'Prior' × 'Beavans Special'. Requires above average finishing conditions to produce satisfactory malting grain. Stronger straw and suffers less from necking and shedding and slightly later in maturing than 'Prior'. Recommended in areas with an annual rainfall over 18 inches.

281855. Genetic Stock No. 136. 'Martonvasari'. A white-grained two-row variety from Hungary. Maturity similar to 'Atlas'.

**281856. TRITICUM (hybrid). Poaceae.**

From Japan. Seeds presented by the Wheat Breeding Section, Tokai-Kinki National Agricultural Experiment Station, Issinden-cho, Tsu-city Mie-prefecture. Received July 10, 1962.

'Fultz' × *T. timopheevi*. Potential source of rust resistance.

**281857 to 281861. ORYZA SATIVA L. Poaceae.****Rice.**

From Ceylon. Seeds presented by the Department of Agriculture, Peradeniya. Received July 11, 1962.

**281857 to 281861—Continued**

281857. H-4.

281860. H-501.

281858. H-5.

281861. 'Muongnakayan 302'.

281859. H-105.

**281862 to 281865.**

From Germany. Seeds presented by the Botanischer Garten und Museum, Berlin-Dahlem. Received July 11, 1962.

281862. *AGROPYRON CRISTATUM* (L.) Gaertn. Poaceae.

Crested wheatgrass.

No. 395.

281863. *AGROPYRON JUNCEUM* (L.) Beauv.

No. 345.

281864. *AGROPYRON* sp.

No. 345.

281865. *AGROPYRON TRACHYCAULUM* (Link) Malte

Slender wheatgrass.

No. 345.

**281866 to 281869. LYCOPERSICON ESCULENTUM Mill. Solana-  
ceae. Tomato.**

From Bulgaria. Seeds presented by the Academie des Sciences de Bulgare, Institut de Culture des Plantas, Sofia. Received July 11, 1962.

Reportedly resistant to *Bacterium michiganense*.

281866. Linien XXIVa.

281868. No. 10.

281867. Linien XXIV-13.

281869. 'Plowdiwska Konserwa'.

**281870 to 281873.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 11, 1962.

281870. *CALOPOGONIUM MUCUNOIDES* Desv. Fabaceae.

C.P.I. 28895.

281871. *LOTONONIS ANGOLENSIS* Welw. ex Baker Fabaceae.

C.P.I. 26293.

281872. *TRIFOLIUM SEMIPILOSUM* Fresen. Fabaceae.

C.P.I. 27218.

281873. *TRIFOLIUM USAMBARENSE* Taub.

C.P.I. 22165.

**281874 to 281882.**

From Iraq. Seeds presented by the College of Agricultura, Abu Ghraib. Received July 11, 1962.

281874. *LACTUCA VIMINEA* (L.) J. & K. Presl Chichoriaceae.

Agnew 787. 8/8/61. Dry pathside, Dohuki Gorge.

281875. *LACTUCA SERRIOLA* L.

Collected by Agnew, Hadac and Haines, 1/10/60. Euphrates bridge at Falluja.

281876 and 281877. *LACTUCA SALIGNA* L.

281876. Collected by Agnew, Hadac and Haines, 7/10/60. Twenty kms. south of Al Fallujah. No. 1.

281877. Collected by Agnew, Hadac and Haines, 7/10/60. Twenty kms. south of Al Fallujah. No. 2.



**281874 to 281882—Continued**

281878. Undetermined.

No. 2259. Collected 25 km. south of Darband. 7/6/60.

281879. *LACTUCA UNDULATA* Ledeb.

Collected by Agnew, 3/4/60. Kirkuk, Iraq.

281880. *LACTUCA* sp.

Collected by Agnew. No. 1899. *Quercus aegilops* woodland, 16/6/59.

281881. *LACTUCA* sp.

Collected by R. W. Haines. No. 1214. Dahuk, Al Mawsil. 2/9/57.

281882. *LACTUCA* sp.

Collected by R. W. Haines. No. W1864. Vineyard weed. 21/10/61.

**281883 to 281913. GLYCINE MAX (L.) Merrill Fabaceae.****Soybean.**

From Malaya. Seeds presented by the Department of Agriculture, Kuala Lumpur. Received July 11, 1962.

Group I are general purpose varieties planted in the spring or fall.

Group II are spring varieties.

Group III are fall varieties.

Group IV are miscellaneous varieties with unspecified useful characteristics.

The letters designate the source and the numerals following designate the Malayan selection line.

From Indonesia.

281883. Group II, D7.

281891. Group I, R7.

281884. Group IV, D5.

281892. Group IV, R4.

281885. Group II, M1.

281893. Group I, S1.

281886. Group I, O3.

281894. Group III, S3.

281887. Group I, P2.

281895. Group III, T4.

281888. Group I, P4.

281896. Group III, T12.

281889. Group II, P3.

281897. Group IV, T10.

281890. Group I, R6.

From Malaya.

281898. Group I, C1.

281905. Group III, C2.

281899. Group I, C4.

281906. Group III, C6.

281900. Group I, C11.

281907. Group III, C17.

281901. Group I, C13.

281908. Group III, C29.

281902. Group I, C14.

281909. Group IV, C10.

281903. Group I, C21.

281910. Group IV, C28.

281904. Group II, C1618.

From the Philippines.

281911. Group IV, L1.

From Thailand.

281912. Group I, E1.

281913. Group IV, E3.

**281914 to 281921. ORYZA SATIVA L. Poaceae.****Rice.**

From Burma. Seeds presented by the Department of Agriculture, Rangoon. Received July 13, 1962.

- |                                  |                              |
|----------------------------------|------------------------------|
| 281914. A-36-3.                  | 281918. B-404. 'Nga Yun Wa'. |
| 281915. A-56-11.                 | 281919. C-33-18.             |
| 281916. B-35-2.                  | 281920. C-46-15.             |
| 281917. B-401. 'Taung Deik Pau'. | 281921. D-25-4.              |

**281922 to 281925. PERSEA AMERICANA Mill. Lauraceae.****Avocado.**

From Cuba. Plants growing at the United States Plant Introduction Station, Miami, Fla. Received as budwood from the United States Embassy, Havana, December, 1958. Numbered July 13, 1962.

281922. 'Borrego'. Tree good bearer, some years producing two crops; fruit oval shaped, green skinned, excellent quality, maturing February-March, averages 8 ounces; seed small, tight in cavity.
281923. 'Catalina'. Tree good bearer; fruit oval to pear shaped, yellow green when ripe; excellent quality, weighing 2 to 3 pounds; seed small, tight in cavity. Has some resistance to scab and *Cercospora*. A well-known West Indian variety, widely grown in Cuba.
281924. 'Jose Antonio'. Tree heavy bearer; fruit green skinned, excellent flavor and quality, averaging 1.5 to 2 pounds, maturing June-July in Cuba; seed small, tight in cavity. Highly resistant to scab and *Cercospora* in Cuba. West Indian variety.
281925. 'Suardia'. Tree good bearer; fruits oval shaped, slightly lopsided, dark green when ripe, excellent quality, averaging about 1 pound, maturing in November-December with some maturing as late as mid-January; seed small, tight in cavity. Resistant to scab and *Cercospora*.

**281926 to 281941. LINUM USITATISSIMUM L. Linaceae. Flax.**

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Estacion Experimental, Pergamino. Received July 16, 1962.

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|---------------------|----------------------|
| 281926. E.E.P. 16.  | 281934. E.E.P. 571.  |
| 281927. E.E.P. 45.  | 281935. E.E.P. 572.  |
| 281928. E.E.P. 47.  | 281936. E.E.P. 575.  |
| 281929. E.E.P. 82.  | 281937. E.E.P. 2263. |
| 281930. E.E.P. 92.  | 281938. E.E.P. 2264. |
| 281931. E.E.P. 320. | 281939. E.E.P. 2265. |
| 281932. E.E.P. 366. | 281940. E.E.P. 2266. |
| 281933. E.E.P. 561. | 281941. E.E.P. 2267. |

**281942 to 281959.**

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus Botanicus Academie Scientiarum, Taschkent, Karamurtakaja. Received July 17, 1962.

281942. ACER GINNALA var. SEMENOVII (Regel & Herd.) Pax Aceraceae.  
No. 593.
281943. ACER TURKESTANICUM Pax  
No. 594.
281944. BETULA KIRGHISORUM Sawicz Betulaceae.  
No. 274.

**281942 to 281959—Continued**281945. *BETULA PENDULA* Roth.

No. 279.

281946. *BETULA SAPOSHNIOVII* Sukaczew

No. 275.

281947. *BETULA SCHUGNANICA* Litw.

No. 276.

281948. *BETULA TIANSHIANICA* Rupr.

No. 277.

281949. *BETULA TURKESTANICA* Litw.

No. 278.

281950. *CERCIS GRIFFITHII* Bois. Caesalpiniaceae.

No. 543.

281951. *CLEMATIS ORIENTALIS* L. Ranunculaceae.

Oriental clematis.

No. 385.

281952. *CLEMATIS SONGARICA* Bunge.

No. 386.

281953. *CORNUS* (hybrid). Cornaceae.No. 1101. *C. amomum* × *C. obliqua*.281954. *CORNUS GLABRATA* Benth.

No. 1103.

281955. *CORNUS OBLIQUA* Raf.

No. 1105.

281956. *JUNIPERUS SEMIGLOBOSA* Regel Pinaceae.

No. 1.

281957. *JUNIPERUS TURKESTANICA* Komarov

No. 2.

281958. *JUNIPERUS SERAVSCHANICA* Kom.

No. 3.

281959. *PYRUS REGELII* Rehd. Malaceae.

No. 486.

**281960 to 281967. SOLANUM TUBEROSUM L. Solanaceae. Potato.**

From the Union of Soviet Socialist Republics. Tubers presented by the Institute of Plant Industry, Leningrad. Received July 10, 1962. Numbered July 18, 1962.

281960. 'Belaja Roza'.

281961. 'Katiusa'. ('Jubel' × 'Majka'). Flowers white. Wart resistant.

281962. 'Losickij'. From Belorussia.

281963. 'Rannij Zeoltyj'.

281964. 'Ruta'. From Lithuania. (Seedling 1325 × 'Milda'). Wart resistant.

281965. 'Trojanda'.

281966. 'Tzstades'.

281967. 'Zazerskij'. From Belorussia. ('Ostbote' × 'Fitoforoustojcivij' × 'Zeidlitz'). Wart resistant.



**281968. THEMEDA AUSTRALIS (R. Br.) Stapf Poaceae.**

From Australia. Seeds presented by the Department of Agriculture, Sydney.  
Received July 19, 1962.

**281969 to 282119.**

From Chile. Seeds presented by the Rockefeller Foundation, Santiago. Received July 19, 1962.

**281969 to 282118. PHASEOLUS VULGARIS L. Fabaceae. Common bean.**

**281969.** 'Enredadera'. Vine, 120-day maturity. Very susceptible to mosaic.

**281970.** 'Amarillo'. Vine, 127-day maturity. Susceptible to root rot; semiresistant to mosaic.

**281971.** No. 630. Semi-vine, 113-day maturity, flowers yellow. Susceptible to mosaic.

**281972.** 'Hallados Temuco'. Vine, 120-day maturity. Dry bean. Semiresistant to mosaic.

**281973.** 'Talca No. 5'. Semi-vine, 127-day maturity. Green bean. Susceptible to mosaic.

**281974.** No. 68. Vine, 135-day maturity, flowers pink. Semi-resistant to mosaic.

**281975.** No. 4. Vine, 127-day maturity. Susceptible to root rot; very susceptible to mosaic.

**281976.** 'Negro Nueva Imp.' Introduced. Vine, 112-day maturity. Green bean. Susceptible to mosaic.

**281977.** 'Coyunda Nueva Imp.' Vine, 120-day maturity. Green bean, flowers pink. Susceptible to root rot; semiresistant to mosaic.

**281978.** 'Milanes'. Originally from Italy. Vine, 113-day maturity. Green bean. Flowers pink. Susceptible to root rot; resistant to mosaic.

**281979.** 'Hilacha A.' Introduced. Semivine, 105-day maturity. Green bean. Resistant to mosaic.

**281980.** 'Italianos'. Originally from Italy. Vine, 120-day maturity. Green bean. Susceptible to root rot and mosaic.

**281981.** 'Jalisco 2A'. Originally from Mexico. Semivine, 127-day maturity. Green bean. Very susceptible to mosaic.

**281982.** 'Japones Blanco'. Introduced. 127-day maturity. Green bean. Flowers pink. Semiresistant to mosaic.

**281983.** 'Diablos de Mata'. Vine, 127-day maturity. Semiresistant to mosaic.

**281984.** 'Almidon'. Vine, 127-day maturity. Semiresistant to mosaic.

**281985.** No. 93. Dwarf, 113-day maturity. Susceptible to mosaic.

**281986.** 'Canario'. Semivine, 105-day maturity. Dry bean. Susceptible to root rot and to mosaic.

**281987.** 'Isla'. Introduced. Vine, 120-day maturity. Susceptible to root rot and to mosaic.

**281988.** 'Ojo de Cabra'. Vine, 127-day maturity. Susceptible to root rot and to mosaic.

**281989.** 'Chapingo SNA'. Originally from Mexico. Vine, 120-day maturity. Green bean. Flowers pink. Susceptible to mosaic.

**281990.** 'Senorita'. Vine, 140-day maturity. Green bean. Semiresistant to mosaic. Outstanding line.

**281991.** 'Morita lagos'. Semivine, 127-day maturity. Susceptible to root rot and to mosaic.

**281969 to 282119—Continued****281969 to 282118—Continued**

- 281992.** 'Marfil'. Introduced. Vine, 134-day maturity. Susceptible to root rot and to mosaic.
- 281993.** 'Perdigones'. 113-day maturity. Dry bean. Very susceptible to mosaic.
- 281994.** 'Espanoles'. Originally from Spain. Semivine, 127-day maturity. Dry bean. Susceptible to mosaic.
- 281995.** 'Capuchinos'. Introduced. Vine, 120-day maturity. Green bean. Flowers white. Semiresistant to mosaic.
- 281996.** 'Pajaritos'. Vine, 127-day maturity. Dry bean. Flowers pink. Susceptible to mosaic.
- 281997.** 'Tortola'. Semivine. Dry bean. Susceptible to root rot and to mosaic.
- 281998.** 'Valsecia'. Introduced. 113-day maturity. Susceptible to root rot and to mosaic.
- 281999.** 'Boyacas'. Originally from Colombia. Semivine, 120-day maturity. Very susceptible to mosaic.
- 282000.** 'Tortola Los Angeles'. Semivine, 104-day maturity. Dry bean. Susceptible to mosaic.
- 282001.** 'Zepelines'. Vine, 112-day maturity. Dry bean. Semiresistant to mosaic.
- 282002.** 'Pintados'. Vine, 105-day maturity. Very susceptible to mosaic. Outstanding line.
- 282003.** 'Coscorron Aleman'. Semivine, 127-day maturity. Dry bean. Flowers white. Susceptible to mosaic.
- 282004.** 'Borros 1502'. Breeder. Semivine, 127-day maturity. Dry bean. Flowers white. Susceptible to mosaic.
- 282005.** 'Semi-enanos'. Semidwarf, 120-day maturity. Green bean. Flowers pink. Susceptible to root rot and to mosaic.
- 282006.** 'Chapingo 1-86'. Originally from Mexico. Semivine, 127-day maturity, flowers white. Susceptible to root rot; semiresistant to mosaic.
- 282007.** 'Barbuches'. Originally from Colombia. Semivine. Green bean. Flowers white. Susceptible to root rot and to mosaic.
- 282008.** 'Negro Veracruz'. Originally from Mexico. Semivine, 105-day maturity, flowers pink. Susceptible to root rot; semiresistant to mosaic.
- 282009.** 'Bayos Coihueco'. Green or dry bean.
- 282010.** 'Morado'. Introduced. Vine, 135-day maturity. flowers pink. semiresistant to mosaic.
- 282011.** 'Mutilla'. Semivine, 110-day maturity. Susceptible to root rot; very susceptible to mosaic. Outstanding line.
- 282012.** 'Teofilo'. Introduced. Vine, 120-day maturity. Green bean. Susceptible to root rot, very susceptible to mosaic.
- 282013.** 'Contesse do Chambo'. Originally from France. Semivine, 113-day maturity. Green bean. Flowers white. Susceptible to mosaic.
- 282014.** 'Muselina'. Vine, 120-day maturity. Susceptible to root rot; semiresistant to mosaic.
- 282015.** 'Belgas'. Introduced. Semivine, 105-day maturity. Green bean. Susceptible to root rot and to mosaic.
- 282016.** 'Algarrobeno'. Originally from Colombia. Vine, 113-day maturity. Green bean. Susceptible to mosaic.

**281969 to 282119—Continued****281969 to 282118—Continued**

282017. 'Infante'. Semivine, 120-day maturity. Green bean. Susceptible to mosaic.
282018. 'Rinon'. Introduced. Semivine, 97-day maturity. Green bean. Susceptible to root rot; semiresistant to mosaic.
282019. 'Arvejilla'. Origin unknown. Vine, very late maturity. Susceptible to mosaic.
282020. 'Llena canasto'. Introduced. Vine, 127-day maturity. Green bean. Very susceptible to mosaic.
282021. 'Traros'. Introduced. Vine, 127-day maturity, flowers pink. Susceptible to root rot and to mosaic.
282022. 'Mantecoso'. Semivine, 120-day maturity. Dry bean. Flowers pink. Susceptible to root rot and to mosaic.
282023. 'Burros Grandes'. 115-day maturity. Dry bean. Flowers pink. Susceptible to root rot and to mosaic.
282024. 'Mercado'. Vine, 105-day maturity. Green bean. Flowers pink. Semiresistant to mosaic.
282025. 'Coscorrón Blanco'. Vine, 120-day maturity. Dry bean. Susceptible to root rot; very susceptible to mosaic.
282026. 'Enchilar'. Originally from Mexico. Vine, 127-day maturity. Susceptible to root rot; semiresistant to mosaic.
282027. 'Gorrión'. Originally from Colombia. Vine, 120-day maturity. Green bean. Susceptible to root rot and to mosaic.
282028. 'Bayos 5032'. Breeder. Semivine, 105-day maturity. Green bean. Susceptible to root rot; semiresistant to mosaic.
282029. 'Blanco Redondo'. Vine, 120-day maturity. Dry bean. Flowers white. Susceptible to root rot and to mosaic.
282030. 'Guernicas'. Originally from Spain. Vine, 113-day maturity, flowers pink. Susceptible to root rot and to mosaic.
282031. 'Milagros'. Introduced. Vine, 127-day maturity. Susceptible to root rot; semiresistant to mosaic.
282032. 'Coyunda Paine'. Vine, 120-day maturity. Green bean. Susceptible to root rot; resistant to mosaic.
282033. 'Canario Nueva Imp.' Vine, 113-day maturity. Dry bean. Flowers white. Susceptible to root rot; semiresistant to mosaic.
282034. 'Azufrado'. Vine, 120-day maturity. Dry bean. Susceptible to mosaic.
282035. 'Perdices'. Vine, 120-day maturity. Dry bean. Flowers pink. Susceptible to root rot and to mosaic.
282036. 'Japonés'. Introduced. Vine, 98-day maturity.
282037. 'Algarrobo'. Introduced. Semivine, 127-day maturity. Green bean. Flowers pink. Very susceptible to mosaic.
282038. 'Te Temuco'. Vine, 127-day maturity. Green bean. Semiresistant to mosaic.
282039. 'Cabritos'. Vine, 127-day maturity. Dry bean. Flowers white. Susceptible to root rot; semiresistant to mosaic. Outstanding line.
282040. 'Bayos Rancaguinos'. Vine, 127-day maturity. Dry bean. Flowers white. Susceptible to root rot; very susceptible to mosaic. Apparently leaf hopper resistant.
282041. 'Araucanos'. Vine, 127-day maturity. Dry bean. Semiresistant to mosaic.



**281969 to 282119—Continued****281969 to 282118—Continued**

282042. 'Bayos B'. Vine, 113-day maturity. Dry bean. Susceptible to mosaic.
282043. 'Chapingo'. Originally from Mexico. Vine, 120-day maturity. Green bean. Flowers white. Susceptible to mosaic.
282044. 'Chanco Eleodoro'. Vine, 134-day maturity, flowers white. Susceptible to root rot and to mosaic. Outstanding line.
282045. 'Pelandrón'. Originally from Italy. Vine, 127-day maturity. Resistant to mosaic.
282046. No. 74. Origin unknown. Dwarf, 105-day maturity, flowers pink. Very susceptible to mosaic.
282047. 'Aragón'. Originally from Spain. Vine, 113-day maturity. Green bean. Susceptible to root rot and to mosaic.
282048. 'Avalitos'. Dwarf, 113-day maturity. Dry bean. Flowers pink. Susceptible to root rot and to mosaic.
282049. 'Coscorrón 43-314'. Breeder. Vine, 140-day maturity. Dry bean. Semiresistant to mosaic.
282050. 'Zacatecas'. Originally from Mexico. Vine, 110-day maturity. Susceptible to mosaic.
282051. 'Mangetout Pleine le Panier'. Originally from France. Semivine, 113-day maturity. Green bean. Susceptible to root rot; very susceptible to mosaic.
282052. 'Azufrados'. Dwarf, 120-day maturity. Dry bean. Very susceptible to root rot; susceptible to mosaic.
282053. 'Frutilla'. Vine, 127-day maturity. Susceptible to mosaic.
282054. 'Pepa de Zapallo'. Semivine, 105-day maturity, flowers white. Very susceptible to mosaic.
282055. 'Chiquito Colorado'. Vine, 134-day maturity, flowers white. Susceptible to root rot and to mosaic.
282056. 'Caballeros'. Vine, 127-day maturity. Dry bean. Flowers white. Susceptible to mosaic.
282057. 'Triguitos'. Semivine, 127-day maturity. Dry bean. Flowers white. Susceptible to mosaic.
282058. 'Arroz'. Introduced. Semivine, 105-day maturity. Dry bean. Susceptible to root rot and to mosaic.
282059. 'Azulillos'. Introduced. Semivine, 127-day maturity. Green bean. Susceptible to root rot and to mosaic.
282060. 'Manteca'. Vine, 120-day maturity. Dry bean. Susceptible to mosaic.
282061. 'Temucanos'. Dwarf, 120-day maturity. Very susceptible to mosaic.
282062. 'Gringos'. Introduced. 120-day maturity. Green bean. Susceptible to mosaic.
282063. 'Vara Argentino'. Originally from Argentina. Dwarf, 113-day maturity, flowers pink. Semiresistant to mosaic.
282064. 'Crema'. Vine, 110-day maturity. Susceptible to root rot and to mosaic.
282065. 'Cristal Bayo'. Semivine, 120-day maturity. Green bean. Susceptible to root rot; very susceptible to mosaic.
282066. 'Bayos Alegres'. Vine, 127-day maturity, flowers pink. Susceptible to root rot and to mosaic.

**281969 to 282119—Continued****281969 to 282118—Continued**

282067. 'Racimo'. Vine, 125-day maturity. Semiresistant to mosaic.
282068. No. 2. Origin unknown. Semivine, 105-day maturity. Semiresistant to mosaic.
282069. 'Gringo X'. Introduced. Vine, 90-day maturity. Susceptible to mosaic.
282070. 'Hallados Chicos'. Vine. Dry bean. Semiresistant to mosaic.
282071. 'Araucano Chico'. Vine, 104-day maturity. Dry bean. Semiresistant to mosaic.
282072. 'Burros Españoles'. Originally from Spain. 120-day maturity. Dry bean. Flowers pink. Susceptible to root rot, semiresistant to mosaic.
282073. 'Talca No. 3.' Semivine, 127-day maturity. Susceptible to mosaic.
282074. 'Ocanero'. Vine, 127-day maturity. Flowers pale pink. Semiresistant to mosaic.
282075. No. 55. Origin unknown. Semivine, 120-day maturity, flowers pink. Susceptible to root rot; resistant to mosaic.
282076. 'Bío-Bío'. Semivine, 120-day maturity. Dry bean. Susceptible to root rot and to mosaic.
282077. 'Hallados Grandes'. Vine, 127-day maturity. Dry bean. Semiresistant to mosaic.
282078. 'Ganadato'. Introduced. Semivine, 135-day maturity. Susceptible to mosaic.
282079. 'Negritos'. Introduced. Vine, 135-day maturity, flowers pink. Very susceptible to mosaic.
282080. 'Mil Por Uno'. Semivine, 120-day maturity. Dry bean. Susceptible to root rot and to mosaic.
282081. 'Quinchamáli'. Semivine, 120-day maturity. Green or dry bean. Semiresistant to mosaic.
282082. 'Méjico 10-D'. Originally from Mexico. Vine, 113-day maturity. Susceptible to root rot; semiresistant to mosaic.
282083. 'Parrón'. Vine, 134-day maturity, flowers white. Susceptible to root rot; resistant to mosaic.
282084. 'Avilés'. Semivine, 120-day maturity, flowers yellow. Susceptible to mosaic.
282085. 'Cristal Blanco'. Vine, 120-day maturity. Dry bean. Susceptible to root rot; very susceptible to mosaic.
282086. 'Rocha'. Introduced. Vine, 127-day maturity, flowers pink. Semiresistant to mosaic.
282087. 'Jardinero'. Vine, 105-day maturity. Green bean. Flowers white. Susceptible to mosaic.
282088. 'Hilacha SNA'. Semivine, 113-day maturity. Green bean. Susceptible to mosaic.
282089. 'Tachos'. Semivine, 98-day maturity. Dry bean. Flowers purple. Semiresistant to mosaic. Apparently leaf hopper resistant.
282090. 'Mantecoso de Aragón'. Introduced. Vine, 105-day maturity, flowers red. Susceptible to root rot; semiresistant to mosaic.
282091. 'Méjico 16 U'. Originally from Mexico. Vine, 130-day maturity. Susceptible to root rot and to mosaic.

**281969 to 282119—Continued****281969 to 282118—Continued**

282092. 'Grano de Cro'. Vine, 120-day maturity. Dry bean. Susceptible to mosaic. Outstanding line.
282093. 'Claveles'. Semivine, 120-day maturity. Green bean. Flowers white. Susceptible to root rot and to mosaic.
282094. 'Manteca Paine'. Vine, 120-day maturity. Dry bean. Susceptible to mosaic.
282095. No. 643. Origin unknown. Semivine, 120-day maturity, flowers pink. Semiresistant to mosaic.
282096. 'Beyes Temuco'. Vine, 113-day maturity. Green bean. Susceptible to root rot and to mosaic.
282097. 'Canelo'. 135-day maturity, flowers pink. Semiresistant to mosaic.
282098. 'Bondadosos'. Vine, 120-day maturity. Susceptible to mosaic.
282099. 'Desconocidos'. Semivine, 120-day maturity. Susceptible to mosaic.
282100. 'Canario Triste'. Semivine, 105-day maturity. Dry bean. Susceptible to root rot and to mosaic.
282101. No. 750. Origin unknown. Dwarf, 90-day maturity. Semiresistant to mosaic.
282102. 'Olé'. Originally from Spain. Vine, 127-day maturity, flowers pink. Very susceptible to mosaic.
282103. 'Negro San Miguel'. Introduced. Vine, 105-day maturity. Resistant to mosaic.
282104. 'Coscorrón Blanco El Llano'. Vine, 120-day maturity. Dry bean. Susceptible to root rot and to mosaic.
282105. 'Alemanes'. Introduced. Dwarf, 105-day maturity. Green bean. Semiresistant to mosaic.
282106. 'Mantecoso Temuco'. Vine, 120-day maturity. Dry bean. Susceptible to root rot; semiresistant to mosaic.
282107. 'Uribe Redondo'. Originally from Colombia. Semivine, 120-day maturity. Dry bean. Susceptible to mosaic.
282108. No. 84. Origin unknown. Vine, 113-day maturity. Susceptible to root rot and to mosaic.
282109. 'Canela'. Vine, 120-day maturity, flowers pink. Very susceptible to mosaic.
282110. 'Belga Nueva Imperial'. Introduced. Semivine, 105-day maturity. Green bean. Flowers pink. Susceptible to mosaic.
282111. 'Sable Verde'. Dwarf, 113-day maturity. Green bean. Susceptible to root rot; resistant to mosaic.
282112. 'Michoacán 9 A'. Originally from Mexico. Vine, 130-day maturity. Susceptible to mosaic.
282113. 'Coyunda'. Vine, 127-day maturity. Green bean. Flowers pink. Susceptible to mosaic.
282114. 'Verde Temuco'. Semivine, 127-day maturity. Green bean. Very susceptible to mosaic.
282115. 'Sin Nombre'. Introduced. Vine, late maturity, flowers pink. Susceptible to root rot; semiresistant to mosaic.
282116. 'Bueyes'. Vine, 113-day maturity. Green bean. Susceptible to root rot and to mosaic.



**281969 to 282119—Continued****281969 to 282118—Continued**

**282117.** 'Conchuela'. Semivine, 120-day maturity. Green bean. Flowers white. Susceptible to root rot and to mosaic.

**282118.** 'Coscarron Alto Jahuel'. Semivine, 127-day maturity. Dry bean. Flowers pink. Susceptible to root rot; semiresistant to mosaic.

**282119. PHASEOLUS LUNATUS L. Lima bean.**

'Pallares Corrientes'. Introduced cultivar; growth habit: vine, 150-day maturity, flowers red.

**282120 to 282127. ORYZA SATIVA L. Poaceae. Rice.**

From India. Seeds presented by the Central Rice Research Institute, Cuttack-4. Received July 20, 1962.

Blast resistant varieties.

**282120.** AC-2250.

**282124.** 'Hybrid II'.

**282121.** Co. 4.

**282125.** 'Ninnidhan'.

**282122.** Co. 25.

**282126.** PTB-10.

**282123.** 'Hybrid I'.

**282127.** S-67.

**282128 to 282167. LOTUS PEDUNCULATUS Cav. Fabaceae. Big trefoil.**

From Chile. Seeds presented by the Rockefeller Foundation, Santiago. Received July 20, 1962.

**282128 to 282132.** Plants along roadside and in natural pasture.

**282128.** No. 501. Dry area 6 miles southeast of Osorno, Osorno Province.

**282129.** No. 502. Dry area 12 miles southeast of Osorno, Osorno Province.

**282130.** No. 503. Very dry area 19 miles southeast of Osorno, Osorno Province.

**282131.** No. 504. Very dry area 25 miles southeast of Osorno, Osorno Province.

**282132.** No. 505. Very dry area, Centinela, near Octay, Lake Llanquihue.

**282133 to 282136.** Plants in natural pasture.

**282133.** No. 506. Very dry area 8 miles west of Octay.

**282134.** No. 507. Dry area 6 miles east of Osorno.

**282135.** No. 508. Very dry area 19 miles east of Osorno.

**282136.** No. 509. Dry area, 28 miles east of Osorno, at Pilmaiquen River falls.

**282137.** No. 510. Dry area, Experiment Station, Osorno. Roadside plants.

**282138.** No. 511. Very dry area 2 miles south of Rio Bueno, Valdivia Province. Plants in natural pasture.

**282139.** No. 512. Very dry area 12 miles east of Rio Bueno. Roadside plant.

**282140.** No. 513. Very dry area one mile south of Coigue, Lake Ranco. Plants along roadside and in natural pasture.

**282141.** No. 514. Very dry area 4 miles east of Futrono, Lake Ranco. Roadside plants.

**282142.** No. 515. Dry area Llifen, Lake Ranco. Roadside plants.

**282143.** No. 516. Very dry area east of Los Lagos (Huiti). Plants in natural pasture.

**282128 to 282167—Continued**

282144. No. 518. Very moist area, Agronomy School, Valdivia. Protected plants in backyard.
282145. No. 519. Moist area 4 miles south of Valdivia, Angachilla. Plants in natural pasture.
282146. No. 520. Moist area 6 miles southeast of Valdivia, Santo Domingo. Plants along roadside and in natural pasture.
282147. No. 521. Dry area 12 miles northeast of Valdivia at Pelchuquin. Roadside plants.
282148. No. 522. Very dry area 6 miles south of Lanco at Ciruelos. Roadside plants.
282149. No. 523. Heavily grazed very dry area 4 miles east of Loncoche, Cautin Province. Plants along roadside and in natural pasture.
282150. No. 524. Moist area 9 miles northeast of Loncoche. Roadside plants.
282151. No. 525. Dry area 18 miles north of Loncoche at Quitratue. Roadside plants.
282152. No. 526. Moist area 12 miles south of Temuco. Roadside plants.
282153. No. 527. Moist area 4 miles north of Temuco. Plants along roadside and in natural pasture.
282154. No. 528. Moist area 1 mile south of Vilcun on Quepe River, east of Temuco. Pasture plants.
282155. No. 529. Dry area 4 miles west of Temuco. Plants along roadside and in natural pasture.
282156. No. 530. Heavily grazed moist area 16 miles west of Temuco, along Cautin River. Plants along roadside and riverside.
282157. No. 531. Pilmaiquen, Osorno Province.
282158. No. 532. Pilmaiquen, Osorno Province.
282159. No. 533. Along Lake Ranco.
282160. No. 534. Ensenada, Llanquihue Province.
282161. No. 535. Ensenada, Llanquihue Province.
282162. No. 536. Osorno, Osorno Province.
282163. No. 537. Osorno, Osorno Province.
282164. No. 538. Osorno, Osorno Province.
282165. No. 539. Puerto Varas, Llanquihue Province.
282166. No. 540. Petrufquen, Cautin Province.
282167. No. 541. Valdivia.

**282168 to 282170.**

From Ghana. Tubers presented by the United States Agency for International Development, Accra. Received July 23, 1962.

282168. *DIOSCOREA ALATA* L. Dioscoreaceae.  
'Anomasunwu'. Collected at Hiawoa. July 1962.
282169. *DIOSCOREA DUMETORUM* (Kunth) Pax  
'Nkwnfo Fufuo'. Collected at Hiawoanwu. July 1962. Three-leaved.
282170. *DIOSCOREA ROTUNDATA* Poir.  
'Puna'. Collected at Hiawoanwu. July 1962. White yam.

**282171 to 282217. ORYZA SATIVA L. Poaceae.****Rice.**

From Hungary. Seeds presented by the Ministry of Agriculture, Budapest.  
Received July 23, 1962.

- 282171. No. 1178. I.-11.-122. 'Arpa'.
- 282172. No. 1185. I.-11.-701. 'Bulgar Tajfajta'.
- 282173. No. 1191. I.-11.-145. 'Csornuy'.
- 282174. No. 1194. I.-11.-139. 'Dvorsz 215'.
- 282175. No. 1198. I.-11.-116. 'Feher Szkomsz'.
- 282176. No. 1205. I.-11.-117. 'Grunzsulinskij'.
- 282177. No. 1214. I.-11.-141. 'Karasalszkij 86'.
- 282178. No. 1216. I.-11.-120. 'Kedzo'.
- 282179. No. 1218. I.-11.-136. 'Kirmizi'.
- 282180. No. 1219. I.-11.-139. 'Kraszno Armejszkij 313'.
- 282181. No. 1220. I.-11.-133. 'Krasznodari 3,352'.
- 282182. No. 1221. I.-11.-706. 'Krisztoszka I-6-B'.
- 282183. No. 1222. I.-11.-705. 'Krisztoszka II-15-A'.
- 282184. No. 1225. I.-11.-147. 'Kzul-Shali'.
- 282185. No. 1230. I.-11.-603. 'Linea 45'.
- 282186. No. 1231. I.-11.-604. 'Linea 54'.
- 282187. No. 1232. I.-11.-605. 'Linea 70'.
- 282188. No. 1233. I.-11.-126. L.K.V.R.
- 282189. No. 1246. I.-11.-128. 'Ooba'.
- 282190. No. 1248. I.-11.-1. 'Omirt 39'.
- 282191. No. 1249. I.-11.-2. 'Omirt 168'.
- 282192. No. 1250. I.-11.-3. 'Omirt 210'.
- 282193. No. 1251. I.-11.-4. 'Omirt 239'.
- 282194. No. 1254. I.-11.-702. 'Pembe'.
- 282195. No. 1256. I.-11.-144. 'Pervomajszkij'.
- 282196. No. 1258. I.-11.-612. 'Precoce Allorio'.
- 282197. No. 1267. I.-11.-610. 'Stejaru 65'.
- 282198. No. 1268. I.-11.-611. 'Stejaru 68'.
- 282199. No. 1273. I.-11.-17. 'Szaniszlo 1'.
- 282200. No. 1274. I.-11.-18. 'Szaniszlo 2'.
- 282201. No. 1276. I.-11.-5. 'Szegedi Szakallas 21'.
- 282202. No. 1277. I.-11.-6. 'Szegedi Szakallas 27'.
- 282203. No. 1278. I.-11.-7. 'Szegedi Szakallas 28'.
- 282204. No. 1279. I.-11.-8. 'Szegedi Szakallas 30'.
- 282205. No. 1280. I.-11.-19. 'Szelengi 1742'.
- 282206. No. 1285. I.-11.-115. 'Szort 3810'.
- 282207. No. 1289. I.-11.-101. 'Uz-roosz 5'.
- 282208. No. 1290. I.-11.-103. 'Uz-roosz 17'.
- 282209. No. 1291. I.-11.-109. 'Uz-roosz 72'.
- 282210. No. 1292. I.-11.-110. 'Uz-roosz 269'.
- 282211. No. 1293. I.-11.-112. 'Uz-roosz 2741'.



**282171 to 282217—Continued**

282212. No. 1294. I.-11.-113. 'Uz-rosz 2832'.  
 282213. No. 1300. I.-11.-119. 'Uzbegi Tajfajta'.  
 282214. No. 1301. I.-11.-16. 'Varsanyhelyi'.  
 282215. No. 1302. I.-11.-132. 'Vrosz 213'.  
 282216. No. 1305. I.-11.-130. 'Zaravsanszkij 238'.  
 282217. No. 1307. I.-11.-127. 'Zolotje Vszhodu'.

**282218 to 282366.**

From sources indicated. Seeds collected and presented by Paul G. Smith, University of California, Davis, and now held in storage at the Regional Plant Introduction Station, Experiment, Ga. Numbered July 23, 1962.

- 282218 to 282279. CAPSICUM ANNUUM L. Solanaceae. Pimento.**
282218. No. 907. 'Chile Piquin'. Nogales, Mexico.  
 282219. No. 909. Guatemala City, Guatemala.  
 282220. No. 957. Antigua, Guatemala.  
 282221. No. 959. Mexico.  
 282222. No. 961. 'Mirasol'. Orizaba Valley, Mexico.  
 282223. No. 962. Mexico.  
 282224. No. 964. Juaresmeno, Mexico.  
 282225. No. 967. Taucanhuitz, San Luis Potosi, Mexico.  
 282226. No. 969. Papantla, Vera Cruz, Mexico.  
 282227. No. 975. Cameron County, Texas.  
 282228. No. 981. In wild near Turrialba, Costa Rica.  
 282229. No. 985. Turrialba, Costa Rica.  
 282230. No. 988. El Salvador.  
 282231. No. 991. 'Chili Guero'. Colotlan, Jalisco, Mexico.  
 282232. No. 992. 'Chili Cora'. Mezquitez, Jalisco, Mexico.  
 282233. No. 993. 'Chili de Arbol'. Mezquitez, Jalisco, Mexico.  
 282234. No. 996. 'Chili Cora'. Colotlan, Jalisco, Mexico.  
 282235. No. 997. 'Mirasol'. Colotlan, Jalisco, Mexico.  
 282236. No. 998. 'Chili Bola'. Ojo Caliente, Mexico.  
 282237. No. 999. 'Chili Serrano'. Colotlan, Jalisco, Mexico.  
 282238. No. 1000. 'Chili Guero'. Susticacan, Zacatecas, Mexico.  
 282239. No. 1001. 'Chili Pasilla'. Susticacan, Zacatecas, Mexico.  
 282240. No. 1184. 'Chili de Arbol'. Sihustlan, Jalisco, Mexico.  
 282241. No. 1226. 'Chili Tepine'. Alamo, Sonora, Mexico.  
 282242. No. 1251. Buenos Aires, Argentina.  
 282243. No. 1511. In wild near Turrialba, Costa Rica.  
 282244. No. 1513. Commercial import, Chile.  
 282245. No. 1535. 'Chili Tepine'. Hermosillo, Mexico.  
 282246. No. 1540. 'Chile Largo'. Nicaragua.  
 282247. No. 1542. 'Ancho'. Mexico.  
 282248. No. 1543. 'Chili Pora'. Tampico, Mexico.  
 282249. No. 1544. 'Chili Patarina'. Mexico.

## 282218 to 282366—Continued

## 282218 to 282279—Continued

- 282250. No. 1548. Guajillo, Mexico.
- 282251. No. 1557. Trinidad.
- 282252. No. 1750. 'Aji Chiquito'. Garagoa, Colombia.
- 282253. No. 1760. 'Pimantero'. Mendoza, Argentina.
- 282254. No. 1781. San Juan Prov., Argentina.
- 282255. No. 1806. 'Zacapalena'. Puebla, Mexico.
- 282256. No. 1807. 'Rayaldo Primero'. Puebla, Mexico.
- 282257. No. 1809. 'Rayaldo Colorado'. Puebla, Mexico.
- 282258. No. 1810. 'Loco'. Puebla, Mexico.
- 282259. No. 1812. 'Pasilla'. Puebla, Mexico.
- 282260. No. 1813. 'Chili Ciquin'. Vera Cruz, Mexico.
- 282261. No. 1814. 'Cascabel'. Vera Cruz, Mexico.
- 282262. No. 1815. Vera Cruz, Mexico.
- 282263. No. 1816. 'Chili Gordo'. Vera Cruz, Mexico.
- 282264. No. 1817. 'Mirasol'. Aguas Calientes, Mexico.
- 282265. No. 1818. 'Ancho'. La Piedad, Mexico.
- 282266. No. 1819. 'Catarina'. La Piedad, Mexico.
- 282267. No. 1820. 'Guajillo'. La Piedad, Mexico.
- 282268. No. 1821. 'Cascabel'. Queretaro, Mexico.
- 282269. No. 1823. 'Turkish Hot'. Turkey.
- 282270. No. 1824. 'Ethiopian Hot'. Ethiopia.
- 282271. No. 1859. San Ignacio de Velasco, Santa Cruz, Bolivia.
- 282272. No. 1884. San Pablo Laguna, Philippine Islands.
- 282273. No. 1949. Iraq.
- 282274. No. 1950. Iraq.
- 282275. No. 1951. Iraq.
- 282276. No. 1952. Iraq.
- 282277. No. 1953. Iraq.
- 282278. No. 1954. Stockton, California.
- 282279. No. 1957A. Navajoa, Mexico.

## 282280 to 282304. CAPSICUM FRUTESCENS L.

Redpepper.

- 282280. No. 834. Guadalcanal, Solomon Islands.
- 282281. No. 835. Efate, New Hebrides.
- 282282. No. 904. 'Rat Chili'. Commercial import, Mexico.
- 282283. No. 965. Saipan, Mariana Islands.
- 282284. No. 971. Jesus Carranza, Vera Cruz, Mexico.
- 282285. No. 978. Turrialba, Costa Rica.
- 282286. No. 979. Turrialba, Costa Rica.
- 282287. No. 982. Turrialba, Costa Rica.
- 282288. No. 983. Turrialba, Costa Rica.
- 282289. No. 987. Tamalero, Guatemala.
- 282290. No. 989. 'Mombassa'. Africa.

**282218 to 282366—Continued****282280 to 282304—Continued**

- 282291. No. 1246. La Florida, Costa Rica.
- 282292. No. 1249. Palenque, Mexico.
- 282293. No. 1531. 'Aji Chico'. Tolu, Bolivar, Colombia.
- 282294. No. 1538. 'Chili Redondo'. Nicaragua.
- 282295. No. 1738. Surinam.
- 282296. No. 1864. Paicol, Huila, Colombia.
- 282297. No. 1879. 'Kandari'. Malabar, India.
- 282298. No. 1881. Lachnar, Bagaar, India.
- 282299. No. 1882. Mindanao, Philippine Islands.
- 282300. No. 1883. Mindanao. Philippine Islands.
- 282301. No. 1885. Cebu City, Philippine Islands.
- 282302. No. 1887. Cebu City, Philippine Islands.
- 282303. No. 1888. Cagayan de Oro, Philippine Islands.
- 282304. No. 1889. Cagayan de Oro, Philippine Islands.

**282305. CAPSICUM MICROCARPUM Cav.**

- No. 1553. Todos Santos, Cochabamba, Bolivia.

**282306 to 282331. CAPSICUM PENDULUM Willd.**

- 282306. No. 917. Pura, Peru.
- 282307. No. 921. El Topo, Ecuador.
- 282308. No. 922. Moquiquito, Peru.
- 282309. No. 923. Cuzco, Peru.
- 282310. No. 924. Cuzco, Peru.
- 282311. No. 927. Cuzco, Peru.
- 282312. No. 928. Cuzco, Peru.
- 282313. No. 930. Tinguia, Peru.
- 282314. No. 931. Tinguia, Peru.
- 282315. No. 974. Tunguraqua, Ecuador.
- 282316. No. 980. Turrialba, Costa Rica.
- 282317. No. 990. 'Brown's Pepper'. Oahu, Hawaii.
- 282318. No. 1232. 'Comari'. Pelotas, Rio Grande do Sul, Brazil.
- 282319. No. 1233. 'Hot Pepper'. Pelotas, Rio Grande do Sul, Brazil.
- 282320. No. 1244. 'Aji Cristal'. Santiago, Chile.
- 282321. No. 1492. Peru.
- 282322. No. 1494. Peru.
- 282323. No. 1517. Commercial import, Chile.
- 282324. No. 1532. 'Dulce Nombres'. Neuvo Leon, Mexico.
- 282325. No. 1755. 'Cristal'. Mendoza, Argentina.
- 282326. No. 1792. Valle Grande, Florida, Bolivia.
- 282327. No. 1857. San Ignacio de Velasco, Santa Cruz, Bolivia.
- 282328. No. 1871. 'Chifre de Veado'. Campinas, Brazil.
- 282329. No. 1874. 'Sertaozinho'. Campinas, Brazil.



**282218 to 282366—Continued****282306 to 282331—Continued**

282330. No. 1941. Stockton, California.

282331. No. 1955. Vicosá, Brazil.

**282332 to 282366. CAPSICUM SINENSE L.****Pepper.**

282332. No. 902. Commercial import, Mexico.

282333. No. 906. 'Uvilla Grande'. Commercial import, Mexico.

282334. No. 910. Turrialba, Costa Rica.

282335. No. 1755. 'Cristal'. Mendoza, Argentina.

282336. No. 1266. British Guinea.

282337. No. 1269. British Guinea.

282338. No. 1491. Peru.

282339. No. 1493. Peru.

282340. No. 1496. 'Chirel'. Margarita Island, Venezuela.

282341. No. 1499. 'Sweet Red'. Margarita Island, Venezuela.

282342. No. 1515. Commercial import, Chile.

282343. No. 1541. Rurrenabueque, Rio Beni, Bolivia.

282344. No. 1554. Todos Santos, Cochabamba, Bolivia.

282345. No. 1555. Todos Santos, Cochabamba, Bolivia.

282346. No. 1556. Todos Santos, Cochabamba, Bolivia.

282347. No. 1720. Surinam.

282348. No. 1725. Surinam.

282349. No. 1736. Surinam.

282350. No. 1740. Surinam.

282351. No. 1741. Surinam.

282352. No. 1774. 'Aji Dulce'. Rio Piedras, Puerto Rico.

282353. No. 1786. Huancayo, Peru.

282354. No. 1795. 'Regina de Flores'. Mariquita, Tolima, Colombia.

282355. No. 1797. 'Aji Guateque'. Boyaca, Colombia.

282356. No. 1799. 'Chile Habanero'. Yucutan, Mexico.

282357. No. 1801. 'Aji'. Cagues, Puerto Rico.

282358. No. 1849. 'Chirel Grande'. Maracay, Venezuela.

282359. No. 1850. 'Vinagrito'. Maracay, Venezuela.

282360. No. 1851. 'Aji Picante'. Maracay, Venezuela.

282361. No. 1852. 'Aceituno'. Maracay, Venezuela.

282362. No. 1853. 'Aceitico'. Maracay, Venezuela.

282363. No. 1865. Paicol, Huila, Colombia.

282364. No. 1878. 'Datil Pepper'. St. Petersburg, Fla.

282365. No. 1946. Ecuador.

282366. No. 1947. Trinidad.

**282367. RIBES sp. Grossulariaceae.**

From New Zealand. Cuttings presented by the Horticultural Research Station, Levin. Received July 24, 1962.

'Levin Early'.

**282368 and 282369. SOLANUM TUBEROSUM L. Solanaceae.****Potato.**

From New Zealand. Tubers presented by R. G. Robinson, Limited, Christchurch. Received June 13, 1962. Numbered July 24, 1962.

**282368.** 'Aucklander Short Top'. Introduced from England. A second early variety that produces fair to good yields of high quality table potatoes. Susceptible to second-growth, it has small top growth and not much drought resistance. All stocks considered 100 percent infected with virus Y. Widely grown in New Zealand, where there is an annual rainfall of 25 to 40 inches. Some blight resistance. Storage fair.

**282369.** 'Ilam Hardy'. A Robinson cross of 'Chippewa' × 'Arran Pilot', Scottish early variety. The most adaptable potato on the New Zealand market. A consistently heavy cropper of good cooking quality. Field-immune to virus X but susceptible to hollow or internal blemish. Blight resistance average. Storage good. Second early maturing but can be grown as a first early where winter grown.

**282370 to 282381. TRIFOLIUM REPENS L. Fabaceae.****Whiteclover.**

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Geneva, N.Y. Numbered July 24, 1962.

**282370.** FC-24657. G-11851. 'Italian Ladino'. Purchased from Seaboard Seed Co., Philadelphia, Pa. Plants cultivated, exceptionally large, spreading to 45 inches the first year and 80 inches the second year; vigor better than average, winter hardy; flowers unusually late.

**282371.** FC-24901. G-11852. 'Italian Ladino'. Collected by the Forage and Range Research Branch; port of entry, New York City. Plants cultivated, spread and size larger than average; vigor average, winter hardy, maintaining an exceptional stand through a severe winter; late-flowering.

**282372.** FC-32767. G-11853. 'Wisconsin Ladino'. Purchased from L. L. Olds Seeds Co., Madison, Wis. Plants cultivated, size and vigor average the first year, above average the second year, winter hardy; flowers later than average.

**282373.** FC-33143. G-11854. 'Australian Irrigation Dutch'. From Australia, as an irrigation strain of 'White Dutch'. Plants cultivated, bigger than average size, especially in second year; vigor average, winter hardy; flowering time normal.

**282374.** FC-33151. G-11855. 'Vermont Polyploid Dutch'. Developed at the University of Vermont by doubling chromosome number of P.I. 214207, from Israel. Plants cultivated, wide spreading, better than average vigor; winter hardy; stolons abundant, early; leaflets large, distinctive. May be resistant to root curculio.

**282375.** FC-34705. G-11857. 'Granladino'. Developed at the Forage Experiment Station, Lodi, Italy. Plants reportedly vigorous, upright, prolific and tall under irrigation or with adequate moisture; leaves pale; watermarks distinct. Geneva reports plants similar to P.I. 282376, but better and faster growing, not quite as winter hardy and earlier flowering.

**282376.** FC-34704. G-11856. 'Nordic'. Developed by Prof. Rudolf, Germany. Plants cultivated, reportedly prostrate, slow in early development; foliage dense, very dark green, average size, very faintly marked. Probably drought resistant and winter hardy. Geneva reports it a very rapid grower and spreader, plants and leaves large; winter hardness and stand above average; vigor above average for two years; flowers very late.

**282377.** G-11858. 'Partita No. 1' or 'Contest No. 1'. Received from the Università Delgi Studi di Perugia, Institut de Agronomia e Colt., Erba-  
cee, Perugia, Italy. Plants cultivated, large to very large, stand in second year medium; vigor average or a little above; late flowering.

**282370 to 282381—Continued**

282378. G-11859. 'Perugia Ladino'. Received from the Università Delgi Studi di Perugia, Institut de Agronomia e Colt., Erbacee, Perugia, Italy, as "Certified Original Ladino". Plants cultivated, above average size; winter hardiness and stand excellent; late flowering.

282379. G-11860. 'Pretoria Reverence 46'. From the Department of Agronomy, Agricultural Research Station, Pretoria, South Africa. Plants cultivated, of average size and vigor; winter hardiness and stand excellent; flowering late mid-season.

282380. G-11861. 'Hokkaido Ladino'. From the United States via the Hokkaido Agricultural Experiment Station, Japan. Plants cultivated, large, spreading to 90 inches; vigor above average second year; winter hardiness excellent; stand average; stolons, petioles, leaves large; late flowering.

282381. G-11862. 'North American Ladino'. From North America via the Agricultural Research Center, Piikkio, Finland. Seeds from elite plants acclimatized 10-12 years in Finland. Plants cultivated, slightly above average in size and vigor; winter hardiness excellent, stand medium; late flowering.

**282382 to 282384.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 26, 1962.

282382. Poa sp. Poaceae.  
No. C-348.

282383. Poa sp.

No. C-349. Received as *P. caespitosa*. Urriara Crossing, Murrumbidgee River.

282384. Poa sp.  
No. C-350. Mt. Tidbinbilla.

**282385 to 282395. ORYZA SATIVA L. Poaceae. Rice.**

From Malaya. Seeds presented by the Department of Agriculture, Kuala Lumpur. Received July 26, 1962.

282385. 'Acheh Putah'.	282391. 'Radin Kuning'.
282386. 'Arak Naga'.	282392. 'Radin Siak'.
282387. 'Mayang Ebos 80'.	282393. 'Serendah Puteh'.
282388. 'Mayang Sagumpal'.	282394. 'Seri Raja'.
282389. 'Morak Sepilai Kechil'.	282395. 'Subang Intan 117'.
282390. 'Padang Trengganu 22'.	

**282396. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Mimosaceae. Leadtree.**

From the Philippines. Seeds presented by the Bureau of Animal Industry, Manila. Received July 26, 1962.

**282397 and 282398. HIBISCUS SABDARIFFA L. Malvaceae. Roselle.**

From Ceylon. Seeds presented by the Department of Agriculture, Peradeniya. Received July 26, 1962.

282397. No. 1.

282398. No. 2. Plants about 1 foot high; leaves small, rare.



**282399. ZEA MAYS L. Poaceae.****Corn.**

From Colombia. Seeds presented by the Centro Nacional de Investigaciones Agrícolas "Tulio Ospina," Medellín. Received July 26, 1962.

Collection PER. 589 Colombia Germ Plasm Bank=NRC No. 4895=PP 302-6 in races of maize in Peru. Origin 52B.

**282400 to 282403. ORYZA SATIVA L. Poaceae.****Rice.**

From Japan. Seeds presented by the National Institute of Agricultural Sciences, Nishigahara, Kitaku, Tokyo. Received July 26, 1962.

282400. 'Aichi-Asahi'.

282402. 'Ishikari-Shiroke'.

282401. 'Ginga'.

282403. 'Norin No. 20'.

**282404 and 282405.**

From Colombia and Honduras. Seeds presented by the Inter-American Institute for Agricultural Sciences, Turrialba, Costa Rica. Received July 27, 1962.

282404. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. **Leadtree.**

From the Introduction Garden, D.I.A., Ministry of Agriculture, Palmira, Colombia. Plants appeared very thrifty and disease free.

282405. *LEUCAENA* sp.

Collected from quebada bank 19 km. from Tegucigalpa, Honduras, road to Olancho.

**282406. THEOBROMA CACAO L. Sterculiaceae.****Cacao.**

From Nigeria. Seeds received from the West African Cocoa Research Institute, Moor Plantation, Ibadan. Received July 26, 1962. Numbered July 30, 1962.

'Amelonado'.

**282407. PANICUM MAXIMUM Jacq. Poaceae.****Guineagrass.**

From the Philippines. Seeds presented by the Bureau of Plant Industry, Manila. Received July 30, 1962.

Collected at the La Granja Experiment Station, La Carlota, Negros Occidental Province, Negros.

**282408 and 282409.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 30, 1962.

282408. *BOTHRIOCHLOA EWARTIANA* (Domin) C. E. Hubb. Poaceae.

Grown at the Cunningham Laboratories, University of Queensland, St. Lucia, Brisbane.

282409. *CHRYSOPOGON FALLAX* S. T. Blake Poaceae.

Grown at the Cunningham Laboratories, University of Queensland, St. Lucia, Brisbane.

**282410 to 282414.**

From Australia. Seeds presented by the Royal Botanic Garden, Sydney. Received July 30, 1962.

282410. *EUCALYPTUS NIPHOPHILA* Maiden & Blakely Myrtaceae.282411 and 282412. *EUCALYPTUS PAUCIFLORA* Sieber ex Spreng.**White gumtree.**

282411. 'Nana'.

282412. Forest form.

**282410 to 282414—Continued**282413. *EUCALYPTUS PULVERULENTA* Sims282414. *EUCALYPTUS STELLULATA* DC.**282415. LANTANA VELUTINA Mart. & Gal. Verbenaceae.**

From Mexico. Plants collected by a team from the University of Arizona, Tucson, on exploration into Mexico in 1959. Numbered July 30, 1962.

Collected near Culiacan, Sinaloa. Plant erect, to 3 feet high; flowers white.

**282416 to 282425.**

From India. Seeds presented by the Forest Research Institute, Dehra Dun. Received July 30, 1962.

282416. *ACACIA BENTHAMII* Rochbr. Mimosaceae.282417. *ACACIA CATECHU* (L.f.) Willd.282418. *ACACIA LENTICULARIS* Buch.-Ham.282419. *ACACIA MODESTA* Wall.282420. *LAGERSTROEMIA INDICA* L. Lythraceae. Common crapemyrtle.282421. *LAGERSTROEMIA SPECIOSA* (Muench.) Pers. Queen crapemyrtle.282422. *LAGERSTROEMIA TOMENTOSA* Pvesl.282423. *LAGERSTROEMIA TURBINATA* Koehne282424. *MICHELIA CHAMPACA* L. Magnoliaceae. Champac.282425. *WOODFORDIA FRUTICOSA* (L.) Kurz. Lythraceae.**282426 to 282438.**

From New Zealand. Plants purchased from Duncan and Davies, Westown, New Plymouth. Received July 30, 1962.

282426. *HIBISCUS ROSA-SINENSIS* L. Malvaceae. Chinese hibiscus.282427. *ILEX PARAGUARIENSIS* St. Hil. Aquifoliaceae. Yerba mate.282428. *MAGNOLIA CAMPBELLII* Hook. f. & Thoms. Magnoliaceae.282429. *MAGNOLIA DELAVAYI* Franch.282430. *MAGNOLIA GRANDIFLORA* L.282431. *MAGNOLIA GRANDIFLORA* f. *LANCEOLATA* (Ait.) Rehder282432. *MAGNOLIA KOBUS* var. *BOREALIS* Sargent282433. *MAGNOLIA OBAVATA* Thunb.282434. *MAGNOLIA SIEBOLDII* K. Koch Oyama magnolia.282435. *MAGNOLIA SINENSIS* (Rehd. & Wils.) Stapf.282436. *MAGNOLIA* × *VIETCHII* Bean282437. *MAGNOLIA* × *WATSONII* Hook. f.282438. *VIBURNUM OPULUS* L. Caprifoliaceae. European cranberry bush. 'Osbornei'.**282439. SALVIA SCLERA L. Menthaceae. Common clary.**

From Turkey. Seeds presented by the United States Embassy, Ankara. Received August 1, 1962.

Collected in the steppe region, near Ankara.

**282440 to 282450.**

From the Republic of South Africa. Seeds presented by the Horticultural Research Station, Pretoria. Received August 1, 1962.

**282440. CUCUMIS AFRICANUS L. f. Cucurbitaceae.**

Kalahari, Northern Cape Province. Annual herb; stems prostrate; flowers monoecious, bright yellow; fruit variable in size and shape, ellipsoid to oblong; the large fruits are a relished refreshment and source of water among the natives, the smaller ones usually are bitter and poisonous; spines dense, to 10 mm. long.

**282441. CUCUMIS ANGOLENSIS Hook. f. ex Cogn.**

South West Africa. Glaucous perennial; stems prostrate to climbing, not much branched; tendrils glabrescent; flowers monoecious, bright yellow; fruit ellipsoid, smooth, glabrous, yellowish green to pale lemon yellow, longitudinally variegated, to 5 cm. long, slightly bitter.

**282442. CUCUMIS ANGURIA var. LONGIPES (Hook. f.) A. Meense**

Gatooma, Southern Rhodesia. Annual monoecious creeper; stems to 3 meters long; tendrils stoutish; fruit large, ellipsoid or subglobose, light yellowish green to bright yellow when ripe, bitter.

**282443. CUCUMIS ASPER Cogn.**

South West Africa. Dioecious perennial; stems numerous from woody rootstock, prostrate to climbing, to 75 cm. long; tendrils slender, long; flowers rarely monoecious, pale yellow; fruit ellipsoid, densely covered with retrorse aculeae on a thick, hard base, grayish green with longitudinal dark green bands when ripe, to 3 cm. long, slightly bitter when young, non bitter and tasty when ripe.

**282444. CUCUMIS DINTERI Cogn.**

South West Africa. Canescent perennial; stems suberect or decumbent to 50 cm. long, often very woody; tendrils short; flowers monoecious, bright light yellow; fruits smooth subglobose when ripe, yellow to orange, to 5 cm. long, very bitter.

**282445. CUCUMIS FICIFOLIUS A. Rich.**

South West Africa. Prostrate monoecious perennial herb; stems several, from a woody rootstock; tendrils stout; fruit broadly ovoid to subglobose, glabrous yellowish brown when mature.

**282446. CUCUMIS HEPTADACTYLUS Naud.**

Northern Cape Province. Woody dioecious perennial; stems prostrate, slender, branched, to 1.5 meters long; tendrils very short; fruit ovoid or ellipsoid with dark longitudinal bands, to 5 cm. long.

**282447. CUCUMIS LEPTODERMIS Schweick.**

Orange Free State. Annual, monoecious prostrate herb; stems several, branches, to 1 meter long; tendrils long; fruit on peduncle to 2.5 cm. long, globose, longitudinally zoned into light and dark green bands; spines few, short, soft.

**282448. CUCUMIS MELO L.****Muskmelon.**

Pretoria, Transvaal. Plant annual creeper; stems branched, sometimes short; tendrils well developed; flowers monoecious, light yellow; fruit in the wild variable, smooth, usually green, mottled in bands, to 6 cm. long; pulp white. Seeds are from indigenous wild form, widely distributed in the warmer regions, where it is common as a weed on cultivated land.

**282449. CUCUMIS MYRIOCARPUS Naud.****Gooseberry gourd.**

Pretoria, Transvaal. Monoecious annual; stems prostrate, branched, to two meters long; tendrils slender, short; fruit broadly ellipsoid to subglobose, green with longitudinal dark blackish or purplish brown bands when nearly ripe turning rusty orange; spines numerous, soft, curved. Common weed on cultivated lands.



**282440 to 282450—Continued****282450. CUCUMIS ZEYHERI** Sond.

Herbaceous perennial with thin woody roots; stems several, annual, prostrate, rarely climbing, to 2 meters long; flowers monoecious; fruit ellipsoid, light yellow, spine covered, poisonous; spines soft, short.

**282451 and 282452.**

From Germany. Seeds presented by the Deutsche Akademie der Wissenschaften zu Berlin, Gatersleben, via Institut f. Ackr-u. Pflanzenbau, Weihenstephan. Received August 3, 1962.

**282451. TRITICUM SPHAEROCOCCUM** var. **SPICATUM** Percival Poaceae.

A TRI 3415/61. Ears bearded; glumes white, glabrous; grain red.

**282452. TRITICUM SPHAEROCOCCUM** var. **TUMIDUM** Percival

A TRI 3008/61.

**282453. CARTHAMUS TINCTORIUS** L. Asteraceae. **Safflower.**

From Ethiopia. Seeds presented by the Agency for International Development, Jimma. Received August 3, 1962.

Grown in Dado area, 25 km. ENE of Jimma. Elevation 1,770 meters. Annual rainfall 160 to 190 cm.

**282454. PANICUM MAXIMUM** Jacq. Poaceae. **Guineagrass.**

From Rhodesia. Seeds presented by the Grasslands Research Station, Marandellas. Received August 3, 1962.

'Sabi' strain, collected in the Sabi River Valley in southeastern Rhodesia.

**282455 to 282457. ORYZA SATIVA** L. Poaceae. **Rice.**

From Thailand. Seeds presented by the Rice Department, Ministry of Agriculture, Bangkok. Received August 3, 1962.

**282455.** 'Nahng Mon S-4'.

**282456.** 'Leaung Yai 34'.

**282457.** 'Pah Leuand 111'.

**282458. LEUCAENA LEUCOCEPHALA** (Lam.) de Wit. Mimosaceae. **Leadtree.**

From Colombia. Seeds presented by the Servicio de Investigacion y Promocion Agraria, Lima, Peru. Received August 3, 1962.

Collected in Cauca Valley, Colombia.

**282459. HIBISCUS BIFURCATUS** Cav. Malvaceae. **Rosemallow.**

From Surinam. Seeds presented by the Agricultural Experimental Station, Paramaribo. Received August 3, 1962.

**282460 to 282474.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, The Cunningham Laboratory, Queensland. Received August 6, 1962.

**282460. LEUCAENA INSULARUM** (Guillaumin) Daniker Mimosaceae.

C.P.I. 30835. 'Feifar'. From Sopo-tongatapu, Tonga.

**282461 to 282473. LEUCAENA LEUCOCEPHALA** (Lam.) de Wit. **Leadtree.**

**282461.** Q544. Thursday Island, Queensland.

**282462.** C.P.I. 19580. Tauva, Fiji.

**282463.** C.P.I. 19582. Tene, New Caledonia.

**282460 to 282474—Continued****282461 to 282473—Continued**

282464. C.P.I. 28106. Inst. Agronomico, Campinas, Sao Paulo, Brazil.

282465. C.P.I. 29215. 'Ipilipil'. Tiaong, Philippines.

282466. C.P.I. 29633. Roadside near Hankin, Thailand.

282467. C.P.I. 30479. Central Vietnam.

282468. C.P.I. 30481. Coffee Plantation, Hung-hoe, Vietnam.

282469 to 282473. From naturalized plants.

282469. Bald Hills, Queensland.

282470. Darwin, Northern Territory.

282471. Gayndah, Queensland.

282472. Gympie, Queensland.

282473. Innesfail, Queensland.

282474. *LEUCAENA* sp.

C.P.I. 31182. Formosa.

**282475. SACCHARUM (hybrid). Poaceae. Sugarcane.**

From Hawaii. Cuttings presented by the Honolulu Sugar Planters' Association Experiment Station, Honolulu. Received August 9, 1962.

49-3533.

**282476. DIOSCOREA DUMETORUM (Kunth) Pax Dioscoreaceae.**

From Ghana. Tubers presented by the Agency for International Development, Accra. Received July 23, 1962. Numbered August 9, 1962.

'Nkanfo Kokoo'. Collected at Hiawoanwu.

**282477 and 282478.**

From the Republic of South Africa. Seeds presented by the National Botanic Gardens, Kirstenbosch, Newland. Received August 9, 1962.

282477. *CLEMATIS BRACHIATA* Thunb. Ranunculaceae.

282478. *MYRSINE MITIS* Spreng. Myrsinaceae.

Received as *Ilex mitis*.

**282479. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**

From Canada. Seeds presented by the Horticultural Experiment Station, Vineland, Ontario. Received August 9, 1962.

'Vogue' (41-A-1). A new staking tomato developed for the Niagara Peninsula. Plants vigorous, thick stemmed; fruit clusters long, 5 to 6 per cluster, maturing 2 to 3 days earlier than 'Harkness' or 'Earliest-of-All'; fruits average 4.3 ounces, usually very smooth, ripening uniformly, some concentric cracking when excessive moisture follows very dry weather.

**282480. DAUCUS CAROTA L. Apiaceae. Carrot.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received August 9, 1962.

'Osinskaya'. Developed in the Perm region. Adapted to the severe conditions of the Urals. Plants high yielding; roots store well.

**282481 to 282555.**

From the United States. Seeds collected by O. Shifriss and held at Rutgers University, New Brunswick, N.J. Numbered August 13, 1962. GC numbers are gourd collection numbers.

**282481 to 282555—Continued**

**282481 to 282483. CUCURBITA MAXIMA** Duchesne Cucurbitaceae. **Squash.**

**282481.** GC-54. A winter squash from the Eastern States Farmers Exchange, West Springfield, Mass. A cultivated exhibition type; fruit weighing to 133 lbs.; skin white; flesh pale pink; cavity small, fibrous; seeds large.

**282482.** GC-55. A winter squash purchased in Troy, New York. Plants cultivated, probably 'Buttercup'; unique in its green- and red-striped color variegations mostly on the navel portion. Seed small. Fruit sold as an ornamental.

**282483.** GC-56. A squash from the Eastern States Farmers Exchange, West Springfield, Mass. A cultivated exhibition type, originally from Portugal. Fruit similar to 'Red Essex', but green, large, flattened, densely warted; warts large; flesh deep yellow.

**282484 to 282487. CUCURBITA PEPO** L. **Pumpkin.**

**282484.** GC-57. 'Meador Star' from the University of New Hampshire, Durham. A new mutant, fruit elongate, 'Table Queen' shape, with yellow star on proximal end; seed naked.

**282485.** GC-58. Cultivated. Similar to GC-57, except yellow star not prominent.

**282486.** GC-59. Cultivated. Similar to GC-58, except yellow star very subdued. Seed from selfed fruit 5985-4.

**282487.** GC-60. Cultivated. From the University of New Hampshire, Durham. Self-pollinated fruit from prolific bush plant; fruit resembles 'Little Gem', but more flattened. Edible and ornamental.

**282488 to 282555. CUCURBITA PEPO** var. **OVIFERA** (L.) Alef.

**Ornamental gourd.**

**282488.** GC-1M. Cultivated yellow-flowered ornamental gourd from a mass selection in a field at Stormville, N.Y. Plants typical vine habit; fruits variable, including predominantly warty, intensely pigmented, monochrome and bicolored, some edible types.

**282489.** GC-1N. Naked seeds found in P.I. 282488.

**282490.** GC-1S. Smallest seeds found in P.I. 282488.

**282491.** GC-2. Cultivated at Stormville, N.Y. Fruit small, bicolored, warty; summer squash.

**282492.** GC-3. Cultivated at Stormville, N.Y. Fruit a small bicolored "bottle" resembling 'Early Prolific'. Ornamental.

**282493.** GC-4. Cultivated ornamental purchased at Yorktown, N.Y. Fruit small, moderately intense pigmentation, bicolored, striped, pear-shaped. Uncontaminated *C. ovifera* with unique color pattern.

**282494.** GC-5. Cultivated ornamental purchased at Yorktown, N.Y. Fruit intensely pigmented, bicolored.

**282495.** GC-6. Cultivated ornamental purchased at Yorktown, N.Y. Fruit typical spoon.

**282496.** GC-7. Cultivated ornamental purchased at Yorktown, N.Y. Fruit very intensely pigmented, nonstriped, warty, pear shaped.

**282497.** GC-8. Cultivated ornamental purchased near Danbury, Conn. Fruit a bicolored spoon with an expanded belly.

**282498.** GC-9. Cultivated ornamental purchased near Buckingham, Pa. Fruit elliptic, tapering towards the proximal end, bicolored, lightly pigmented, nonstriped.

**282499.** GC-10. Cultivated ornamental from the University of Vermont, Burlington. Fruit ringed, bicolored, spoon type.



**282481 to 282555—Continued****282488 to 282555—Continued**

282500. GC-11. Cultivated ornamental from Stormville, N.Y. Fruit pear shaped, moderately pigmented, striped, with wavy border between green and yellow areas.
282501. GC-12. Cultivated ornamental purchased near Plymouth, N.H. Fruit pear shaped, bicolored, moderately pigmented, striped.
282502. GC-13. Cultivated ornamental purchased in Deerfield, Mass. Fruit spindle shaped, striped bicolor, warts few.
282503. GC-14. Cultivated ornamental purchased in Meredith, N.H. Fruit small, spindle shaped, striped, bicolored lightly, pigmented.
282504. GC-15. Cultivated ornamental purchased near Troy, N.Y. Fruit striped, bicolored, spoon with yellow confined to proximal end.
282505. GC-16. Cultivated ornamental purchased in Meredith, N.H. Fruit small, dark green, inconspicuously striped, with yellow in proximal region.
282506. GC-17. Cultivated ornamental purchased in Deerfield, Mass. Fruit elongate nonstriped, bicolored, speckled and scalloped, with a "magnetic field", a new genetic character, between scallops.
282507. GC-18. Cultivated ornamental from the Eastern State Farmers Exchange, West Springfield, Mass. Fruits elongate, pear shaped, bicolored.
282508. GC-19. Cultivated ornamental purchased in Danbury, Conn. Fruit bicolored, 15 cm. long and 6 cm. wide, constricted along proximal end.
282509. GC-20. Cultivated ornamental purchased in Rutland, Vt. Fruit nonstriped, bicolored with an extremely small green area at distal end, attractive spoon.
282510. GC-21. Cultivated ornamental purchased near Troy, N.Y. Fruit small, flat, slightly corrugated, nonstriped.
282511. GC-22. Cultivated ornamental purchased near Troy, N.Y. Fruit very small (16 grams) flattened globe, white.
282512. GC-23. Cultivated ornamental from a field in Stormville, N.Y. Fruit top shaped, very densely warty, light green speckled with white; unusual.
282513. GC-24. Cultivated; purchased near Burlington, Vt. Fruit small, pear shaped, white.
282514. GC-25. Cultivated ornamental purchased near Troy, N.Y. Fruit small (3 cm. diameter), spherical, uniformly green.
282515. GC-26. Cultivated ornamental purchased near Rutland, Vt. Fruit 6 cm. wide, orange color, 'Little Gem' shape.
282516. GC-27. Cultivated ornamental purchased near Meredith, N.H. Fruit globe shaped, medium to small size, yellow-orange color.
282517. GC-28. Cultivated ornamental purchased near Danbury, Conn. Fruit disc shaped, 9.5 cm. diameter, white.
282518. GC-29. Cultivated; purchased near Plymouth, N.H. Fruit 11 cm. long, 6.5 cm. wide, elongate to spindle shaped, moderately warty, nonstriped, cream color.
282519. GC-30. Cultivated ornamental purchased near Danbury, Conn. Fruit smallish, flattened globe with white-speckled green ground.
282520. GC-31. Cultivated ornamental purchased near Shelbourne, Vt. Fruit medium size, broad at distal end, tapering towards proximal end, very warty, unusual green color superimposed on white ground.

**282481 to 282555—Continued****282488 to 282555—Continued**

282521. GC-32. Cultivated ornamental from a field in Stormville, N.Y. Fruit elongate, warty, attractive for its unusual green color.
282522. GC-33. Cultivated ornamental purchased near Rutland, Vt. Fruit 7.5 cm. long, 6 cm. wide, slightly warty, green.
282523. GC-34. Cultivated ornamental from a field in Stormville, N.Y. Fruit flattened, warty, with intense black-green color.
282524. GC-35. Cultivated ornamental purchased near Plymouth, N.H. Fruit elongated, pear shaped, smallish, lightly pigmented, green striped on almost white ground.
282525. GC-36. Cultivated ornamental purchased near Troy, N.Y. Fruit egg shaped, light green striped on white ground.
282526. GC-37. Cultivated ornamental purchased near Danbury, Conn. Fruit disc shaped, flat topped, tapering slightly towards distal end, almost inconspicuously scalloped, moderately pigmented, yellow and orange striped when ripe.
282527. GC-38. Cultivated ornamental presented by the University of Vermont, Burlington. Fruit pumpkin shaped, smallish, striped.
282528. GC-39. Cultivated ornamental from a field in Stormville, N.Y. Fruit bell shaped, with broad and flat distal end, proximal neck slightly constricted, smallish, dark-green striped on yellow ground.
282529. GC-40. Cultivated ornamental from a field in Stormville, N.Y. Fruit spindle shaped, broader at proximal end, smallish, few large conspicuous warts, dark-green striped and lacelike pattern on white ground.
282530. GC-41. Cultivated ornamental purchased near Buckingham, Pa. Fruit elongate, egg shaped, smallish, dark green blotches on broken stripes on light gray-green ground.
282531. GC-42. Cultivated ornamental purchased in Clarendon, Vt. Fruit disc shaped with distinct dark-green striped and speckling on light-green ground turning yellow when ripe.
282532. GC-43. Cultivated ornamental purchased in Clarendon, Vt. Fruit small, oblate, dark-green striped on yellow ground.
282533. GC-44. Cultivated ornamental from a field in Stormville, N.Y. Fruit smallish, disc shaped, warty, blackish-green striped on white ground.
282534. GC-45. Cultivated ornamental purchased near Meredith, N.H. Fruit disc shaped, orange striped on yellow ground.
282535. GC-46. Cultivated ornamental from a field in Stormville, N.Y. Fruit small, oblate, sparsely warty.
282536. GC-47. Cultivated ornamental purchased near Troy, New York on State Highway 7 to Bennington, Vt. Fruit small, oblate, striped dark green.
282537. GC-48. Ornamental presented by the University of Vermont, Burlington Fruit of 'Crown of Thorns' or 'Ten Commandments'. Typical shape and size, white.
282538. GC-49. Ornamental purchased in Rutland, Vt. Fruit 'Crown of Thorns', proximal end narrow, white.
282539. GC-50. Cultivated ornamental purchased in Rutland, Vt. Fruit 'Crown of Thorns' with protruding distal end "thorns" distinct and separate.
282540. GC-51. Cultivated ornamental purchased near Meredith, N.H. Fruit bicolored carrying gene W.

**282481 to 282555—Continued****282488 to 282555—Continued**

- 282541.** GC-52. Cultivated ornamental purchased near Meredith, N.H. Fruit abnormal 'Crown of Thorns', elongate with receding scallops.
- 282542.** GC-53. Cultivated ornamental purchased near Meredith, N.H. Fruit 'Crown of Thorns' with small, irregular scallops and "thorns".
- 282543 to 282555.** Presented by the Eastern States Farmers Exchange, West Springfield, Mass.
- 282543.** GC-62. Ornamental. Packet of seeds of 'Brundage Mixture'.
- 282544.** GC-63. Cultivated commercial variety. 'Brundage Mixture', Stock No. 77288.
- 282545.** GC-64. Cultivated. Seed packet of V-202 Stock No. 77299; special selections of warty gourds.
- 282546.** GC-65. Cultivated. Seed packet of 'Super Mixture' V-282, Stock No. 77299. Originally from Clause, France.
- 282547.** GC-66. Cultivated. Seed packet of 'Bicolor Spoon', Stock No. 77253. Self pollinated.
- 282548.** GC-67. Cultivated. Seed packet of 'Spoon', Stock No. V-979T. Self pollinated.
- 282549.** GC-68. Cultivated. Seed packet of 'Bicolor Pear', V-199NT, Lot. No. 77296. Formerly from a Pennsylvania farm.
- 282550.** GC-69. Cultivated. Seed packet of 'Crown of Thorns', V-203, Lot No. 77293.
- 282551.** GC-70. Cultivated. Seed packet of 'Crown of Thorns', V-130T, Lot No. 77281.
- 282552.** GC-71. Cultivated. Seed packet of 'Crown of Thorns', 5933, Lot No. 77230.
- 282553.** GC-72. Cultivated. Seed packet of 'Crown of Thorns', 58-25, Lot No. 77254.
- 282554.** GC-73. Cultivated. Seed packet of 'Bicolor', V-883.
- 282555.** GC-74. Cultivated. Seed packet of 'Orange', V-200, Lot No. 77298.

**282556 to 282559. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.**

From the Sudan. Seeds presented by the Agency for International Development, Khartoum. Received August 14, 1962.

**282556.** ECR 985.

**282557.** ECR 986.

**282558.** 'Sudan No. 1'. Collection from Southern Sudan. It is mostly red stemmed, medium late and segregates for leaf shape.

**282559.** 'Tozi' mixed.

**282560. TRITICUM AESTIVUM L. Poaceae. Common wheat.**

From Poland. Seeds presented by the USDA European Regional Research Office, United States Embassy, Rome, Italy. Received August 14, 1962.

'Vysokolitowka Sztzyoustoms'. From the Institute of Plant Breeding and Acclimatization, Warsaw.

**282561. HIBISCUS FURCATUS Willd. Malvaceae.**

From India. Seeds presented by the Ministry of Scientific Research and Cultural Affairs, Botanical Survey of India, Calcutta. Received August 14, 1962.

From the Southern Circle, Coimbatore.



**282562. LATHYRUS SYLVESTRIS L. Fabaceae. Flat peavine.**

From France. Seeds presented by the Institut National de la Recherche Agronomique, Paris. Received August 14, 1962.

**282563 and 282564.**

From Great Britain. Cuttings presented by the Royal Botanic Gardens, Kew, England. Received August 14, 1962.

**282563. HIBISCUS ROSA-SINENSIS L. Malvaceae. Chinese hibiscus.**  
'Flora Plena'.

**282564. HIBISCUS sp.**  
'Laterita'.

**282565 to 282569.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received August 17, 1962.

**282565. NEPTUNIA MONOSPERMA F. Muell. Mimosaceae.**  
Q-496. McKee 9415. Dimbulah.

**282566. SORGHUM LAXIFLORUM F. M. Bailey Poaceae.**  
Q-492.

**282567. SORGHUM PLUMOSUM (R. Br.) Beauv.**  
Q-493.

**282568. ZORNIA DIPHYLLA (L.) Pers. Fabaceae.**  
Q-494. McKee 9478. Cairns. Received as *Z. dyctiocarpa*, a synonym.

**282569. ZORNIA DICTYCARPA DC.**  
Q-495. McKee 9400. Atherton. Received as *Z. murciculata*.

**282570 and 282571. BRASSICA NAPUS L. Brassicaceae. Rape.**

From Japan. Seeds presented by the United States Embassy, Tokyo. Received August 17, 1962.

**282570. 'Aburamasari'.**  
**282571. 'Norin 17'.**

**282572 to 282684. HORDEUM SPONTANEUM C. Koch Poaceae.**

From Israel. Seeds presented by the Hebrew University, Rehovot. Received August 17, 1962.

<b>282572.</b> No. 10001.	<b>282586.</b> No. 10015.
<b>282573.</b> No. 10002.	<b>282587.</b> No. 10016.
<b>282574.</b> No. 10003.	<b>282588.</b> No. 10017.
<b>282575.</b> No. 10004.	<b>282589.</b> No. 10018.
<b>282576.</b> No. 10005.	<b>282590.</b> No. 10019.
<b>282577.</b> No. 10006.	<b>282591.</b> No. 10020.
<b>282578.</b> No. 10007.	<b>282592.</b> No. 10021.
<b>282579.</b> No. 10008.	<b>282593.</b> No. 10022.
<b>282580.</b> No. 10009.	<b>282594.</b> No. 10023.
<b>282581.</b> No. 10010.	<b>282595.</b> No. 10024.
<b>282582.</b> No. 10011.	<b>282596.</b> No. 10025.
<b>282583.</b> No. 10012.	<b>282597.</b> No. 10026.
<b>282584.</b> No. 10013.	<b>282598.</b> No. 10027.
<b>282585.</b> No. 10014.	<b>282599.</b> No. 10028.

## 282572 to 282684—Continued

282600.	No. 10029.	282643.	No. 12003.
282601.	No. 10030.	282644.	No. 12004.
282602.	No. 10031.	282645.	No. 12005.
282603.	No. 10032.	282646.	No. 12006.
282604.	No. 10033.	282647.	No. 13000.
282605.	No. 10034.	282648.	No. 13001.
282606.	No. 10035.	282649.	No. 13002.
282607.	No. 10036.	282650.	No. 14000.
282608.	No. 10037.	282651.	No. 14001.
282609.	No. 10038.	282652.	No. 14002.
282610.	No. 11001.	282653.	No. 14003.
282611.	No. 11002.	282654.	No. 14004.
282612.	No. 11003.	282655.	No. 15000.
282613.	No. 11004.	282656.	No. 15001.
282614.	No. 11005.	282657.	No. 16000.
282615.	No. 11006.	282658.	No. 16002.
282616.	No. 11007.	282659.	No. 16003.
282617.	No. 11008.	282660.	No. 16004.
282618.	No. 11009.	282661.	No. 16005.
282619.	No. 11010.	282662.	No. 16006.
282620.	No. 11011.	282663.	No. 16007.
282621.	No. 11012.	282664.	No. 16008.
282622.	No. 11013.	282665.	No. 16009.
282623.	No. 11014.	282666.	No. 16010.
282624.	No. 11015.	282667.	No. 16011.
282625.	No. 11016.	282668.	No. 17000.
282626.	No. 11017.	282669.	No. 17001.
282627.	No. 11018.	282670.	No. 17002.
282628.	No. 11019.	282671.	No. 17003.
282629.	No. 11020.	282672.	No. 17004.
282630.	No. 11021.	282673.	No. 18002.
282631.	No. 11022.	282674.	No. 18003.
282632.	No. 11023.	282675.	No. 18004.
282633.	No. 11024.	282676.	No. 18005.
282634.	No. 11025.	282677.	No. 18006.
282635.	No. 11026.	282678.	No. 18007.
282636.	No. 11027.	282679.	No. 18008.
282637.	No. 11028.	282680.	No. 19000.
282638.	No. 11029.	282681.	No. 19001.
282639.	No. 11030.	282682.	No. 19002.
282640.	No. 12000.	282683.	No. 19003.
282641.	No. 12001.	282684.	No. 19004.
282642.	No. 12002.		

**282685. PRUNUS SALICINA Lindl. Amygdalaceae.**

From India. Seeds presented by the Government Horticultural Research Institute, Saharanpur. Received August 20, 1962.

'Jamuni' plum.

**282686. ALBIZZIA ADIANTHIFOLIA (Schum.) W.F. Wight Mimosa-  
ceae.**

From Rhodesia. Seeds presented by the United States Embassy, Salisbury. Received Oct. 17, 1962.

Received as *A. fagiata* and *A. gummifera*, synonyms.

**282687. TRITICUM AESTIVUM L. Poaceae. Common wheat.**

From the Union of Soviet Socialist Republics. Intercepted by the U.S. Quarantine officials at Idlewild Airport, N.Y., Sept. 8, 1961. Received Oct. 17, 1962.

'Bezostaya 1'. Awnless.

**282688. LATHYRUS SYLVESTRIS L. Fabaceae. Flat peavine.**

From Sweden. Seeds presented by the Weibullsholm Plant Breeding Institute, Landskrona. Received Oct. 17, 1962.

**282689. TIBOUCHINA sp. Melastomataceae.**

From Peru. Seeds collected and presented by J. Wurdack, Smithsonian Institution, Washington, D.C. Received Oct. 17, 1962.

Col. No. 632.

**282690. NICOTIANA GLAUCA R. Grah. Solanaceae. Tree tobacco.**

From Venezuela. Seeds presented by the Facultad de Agronomía, Universidad Central de Venezuela, Maracay. Received Oct. 18, 1962.

**282691 and 282692.**

From Mexico. Seeds presented by the National Agricultural Research Institute, Mexico City. Received Oct. 18, 1962.

**282691.** *DESMODIUM* sp. Fabaceae.

'Horse Marmalade'. Collected in the State of Veracruz.

**282692.** *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit. Mimosaceae. Leadtree.

Collected in the State of Veracruz where it is known as 'Guaje' or 'Huaxim'.

**282693. PHASEOLUS VULGARIS L. Fabaceae. Common bean.**

From the United States. Seeds presented by Mrs. J. L. Hargrove, Rockville, Md. Received Oct. 18, 1962.

Grown near Highlands, N.C., presumably genetically isolated for years. Plant to 14 inches high, reportedly semivine; pods to 8 inches long; seeds white.

**282694. PYRACANTHA ATALANTIOIDES (Hance) Stapf Malaceae.**

From Germany. Plants purchased from Kayser & Seibert, Rossdorf bei Darmstadt. Received Oct. 19, 1962.

'Compacta'.

**282695 to 282701.**

From Hong Kong. Seeds presented by Urban Services Department, Victoria. Received Oct. 19, 1962.

**282695.** *ARDISIA CRISPA* (Thunb.) DC. Myrsinaceae.

**282696.** *DELONIX REGIA* (Boj.) Raf. Caesalpiniaceae. Royal poinciana.



**282695 to 282701—Continued**282697. *ILEX ASPRELLA* Champ. ex Benth. Aquifoliaceae.282698. *ILEX HANCEANA* Maxim.282699. *LILIUM BROWNII* Poit. Liliaceae.

Browns lily.

282700. *RHODOLEIA CHAMPIONI* Hook. Hamamelidaceae.282701. *VIBURNUM SEMPERVIRENS* K. Koch Caprifoliaceae.**282702. LATHYRUS SYLVESTRIS L. Fabaceae. Flat peavine.**

From Sweden. Seeds presented by the Swedish Seed Association, Uppsala.  
Received Oct. 23, 1962.

Plants in wild, Bjorklinge, near Uppsala.

**282703 and 282704.**

From Peru. Seeds collected and presented by J. Wurdack, Smithsonian Institution, Washington, D.C. Received Oct. 23, 1962.

282703. *SALPINGA* sp. Malastomataceae.

Col. No. 1917. Herb with pink petals.

282704. (Undetermined.) Gesneriaceae.

Col. No. 1996. Marnon, a hot, wet area.

**282705. MEDICAGO sp. Fabaceae.**

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Oct. 25, 1962.

Standard 7709/62. I/827.

**282706. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From Nigeria. Seeds presented by the Agency for International Development, Ministry of Agriculture and Natural Resources, Ibadan. Received Oct. 25, 1962.

'Giant Sized' strain. Oyo Province, a savannah area with about 45 inches annual rainfall, western Nigeria.

**282707. SETARIA SPHACELATA (Schum.) Stapf & Hubbard Poaceae.**

From China. Plants presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received May 22, 1962. Numbered Oct. 25, 1962.

A 89.

**282708 to 282750.**

From Israel. Seeds presented by the Faculty of Agriculture, Rehovot under Public Law 480 Project A10-CR-20. Received Aug. 20, 1962.

282708 to 282727. *AVENA BARBATA* Brot. Poaceae.

282708. D-3. Rehovot, southern coastal plain.

282709. D-4. Gat, Judean foothills.

282710. D-13. Bat Galim, Haifa Bay.

282711. D-14. Mishmar Ha'emek, Valley of Esdraelon.

282712. D-17. Kiriat Tiv'on, lower Galilee.

282713. D-18. Jerusalem, Jordan Mountains.

282714. D-32. Kfar Tavor, lower Galilee.

282715. D-36. Hiram Junction, Upper Galilee.

282716. D-39. Malkia, upper Galilee.

282717. D-42. Sands of Hadera, central coastal plain.

**282708 to 282750—Continued****282708 to 282727—Continued**

- 282718. D-45. Hasolelim, lower Galilee.
- 282719. D-51. Ashdod-Yam, southern coastal plain.
- 282720. D-54. Hadera River, central coastal plain.
- 282721. D-55. Sholmi, western Galilee.
- 282722. D-58. Beit Oren, Mount Carmel.
- 282723. D-59. Rosh Hanikra, northern coastal plain.
- 282724. D-66. Kfar Hasadim, Haifa Bay.
- 282725. D-70. Goodeida, western Galilee.
- 282726. D-74. Yavor, western Galilee.
- 282727. D-77. Beit Goovrin, Jordan Mountains.

**282728 and 282729. AVENA BARBATA var. WIESTII (Steud.) Hausskn.**

- 282728. 8-4. Mivtahim, western Negev.
- 282729. 8-6. Gevooolot, western Negev.

**282730. AVENA LONGIGLUMIS Dur.**

- 9-1. Even Yehuda, central Coastal Plain.

**282731 to 282750. AVENA STERILIS L.****Animated oats.**

- 282731. D-9. Sands of Hadera, central coastal plain.
- 282732. D-11. East of Hadera, central coastal plain.
- 282733. D-12. Bat Galim, Haifa Bay.
- 282734. D-19. Sde Boker, Negev.
- 282735. D-21. Malkia, upper Galilee.
- 282736. D-22. Zichron Ya'akoo, Mount Carmel (south).
- 282737. D-23. Ar'ara, Samaria.
- 282738. D-25. Kiriat Tiv'on, lower Galilee.
- 282739. D-26. Yiftah, upper Galilee.
- 282740. D-27. Eilaboon, central Galilee.
- 282741. D-31. Kfar Tavor, lower Galilee.
- 282742. D-35. East of Hadera, central coastal plain.
- 282743. D-37. Hiram Junction, upper Galilee.
- 282744. D-38. Ara Valley, Samaria.
- 282745. D-40. Eilaboon, central Galilee.
- 282746. D-41. Sands of Hadera, central coastal plain.
- 282747. D-43. Tabha, Lake of Galilee.
- 282748. D-48. Eilon, western Galilee.
- 282749. D-52. Ashdod-Yam, southern coastal plain.
- 282750. D-53. Hadera River, central coastal plain.

**282751 and 282752. PENNISETUM CLANDESTINUM Hochst. ex**  
**Chiovenda / Poaceae. Kikuyugrass.**

From Kenya. Seeds presented by Grassland Research Station, Kitale. Received August 22, 1962.

- 282751. K 6118. From Molo, 8,000 feet elevation.
- 282752. K 53955. From Kitale, 6,200 feet elevation.

**282753 to 282756. SACCHARUM (hybrids). Poaceae. Sugarcane.**

From Fiji. Cuttings presented by the South Pacific Sugar Mills Limited, Lautoka. Received August 27, 1962.

282753. 'Fiji 36'.

282755. 'Fiji 70'.

282754. 'Fiji 66'.

282756. 'Fiji 71'.

**282757 and 282758.**

From Peru. Seeds collected and presented by J. Wurdack, Smithsonian Institution, Washington, D.C. Received August 27, 1962.

282757. BRACHYOTUM COGNIAUXII Wurdack Melastomataceae.

Col. No. 1268. A very showy Melastomataceae.

282758. TIBOUCHINA sp. Melastomataceae.

Col. No. 1392.

**282759 and 282760.**

From Nepal. Seeds presented by G.A.C. Herklots, Katmandu. Received August 27, 1962.

282759. CLEMATIS sp. Ranunculaceae.

Elevation 1,000 feet.

282760. CLEMATIS sp.

From above Godavari Temple. Elevation 5,000 feet.

**282761 and 282762.**

From Great Britain. Cuttings presented by Maurice Mason, Talbot Manor, Fincham Kings Lynn, Norfolk. Received August 28, 1962.

282761. HIBISCUS ROSA-SINENSIS L. Malvaceae.

Chinese hibiscus.

'FL PL'.

282762. HIBISCUS sp.

'Denison 11'.

**282763. HIBISCUS MASTERSIANUS Hiern. Malvaceae.**

From Rhodesia. Seeds presented by the United States Embassy, Salisbury. Received August 28, 1962.

RBD 7812.

**282764. PASPALUM sp. Poaceae.**

From Paraguay. Seeds presented by the Mennonite Central Committee, Asuncion. Received August 28, 1962.

From an isolated part of the Experiment Farm, near Philadelphia, in the Chaco.

**282765. LATHYRUS SYLVESTRIS L. Fabaceae. Flat peavine.**

From the Netherlands. Seeds presented by the Foundation of Agricultural Plant Breeding, Wageningen. Received August 28, 1962.

Originally from Brussels, Belgium.

**282766 to 282771. ORYZA SATIVA L. Poaceae. Rice.**

From the Republic of Senegal. Seeds presented by the Station Experimentale de Institut de Recherches Agronomiques Tropicales, Dakar. Received August 28, 1962.

282766. E-425.

282767. 'Jappein Tunkungo'.

282768. R-67.



**282766 to 282771—Continued**

282769. R-75.  
 282770. RT-1.095 S26.  
 282771. 'Tguape Catelo'.

**282772 to 282783.**

From Israel. Seeds presented by the Plant Introduction Service, Beit Dagan.  
 Received August 28, 1962.

282772 to 282776. *AVENA BARBATA* Brot. Poaceae.

282772. D-42. Coastal plain sands of Hadera.  
 282773. D-51. Coastal plain Ashdod Yam.  
 282774. D-55. Shlomi, western Galilee.  
 282775. D-74. Yavor, western Galilee.  
 282776. D-87. Coastal plain Tel Baruch junction.

282777 to 282781. *AVENA STERILIS* L.

Animated oats.

282777. D-12. Bat Galim, Haifa Bay.  
 282778. D-19. Sde Boker, Negev.  
 282779. D-26. Yiftah, upper Galilee.  
 282780. D-31. Kfar Tabor, lower Galilee.  
 282781. D-37. Hiram Junction, upper Galilee.

282782 and 282783. *ORYZOPSIS COERULESCENS* (Desf.) Hack. Poaceae.

282782. C-177-I.  
 282783. I-52-208. Mt. Carmel.

**282784 to 282797.**

From the Republic of South Africa. Seeds presented by the Agricultural Technical Services, Pretoria. Received August 28, 1962.

282784 to 282786. *CENCHRUS CILIARIS* L. Poaceae.

Buffelgrass.

282784. B/52/63. 'Graaff Reinet'.  
 282785. B/59/288. 'Molopo' strain.  
 282786. B/61/178. 'Thabazimbe'.

282787 to 282790. *PENNISETUM MACROURUM* Trin. Poaceae.

282787. B/59/56. Waterfall, Witbank.  
 282788. B/59/189. Elgin Cape.  
 282789. B/59/192. Waterfall, Witbank.  
 282790. U/59/76. Tanganyika.

282791. *PENNISETUM NATALENSE* Stapf  
 B/57/72. Barberton.

282792 to 282796. *PENNISETUM TYPHOIDES* (Burm.) Stapf & Hubbard

282792. B/62/103. Barberton.  
 282793. B/62/104. Transvaal region.  
 282794. B/62/105. Barberton.  
 282795. B/62/107. Glen.  
 282796. B/62/108. Highveld region.

282797. *PENNISETUM* sp.

- B/62/106. Babala. C.C.P.

**282798 and 282799.**

From Israel. Seeds presented by the Havath-Noy Garden, Post Rupin Institute of Agriculture, Tel Aviv-Jaffa. Received August 28, 1962.

**282798.** CAESALPINIA GILLIESII (Hook.) Wall. ex Loefgren. Caesalpinia-ceae.

Of garden origin. Received as *Poinciana gilliesii*, a synonym.

**282799.** CAESALPINIA PULCHERRIMA (L.) Swartz **Flowerfence.**

Of garden origin. Received as *Poinciana pulcherrima*, a synonym.

**282800. ORYZOPSIS HOLCIFORMIS (Bieb.) Hack. Poaceae.**

From Israel. Seeds presented by the Plant Introduction Service, Beit Dagan. Received August 30, 1962.

A-172. Propagated at Beit Dagan nursery, 1962.

**282801 to 282813.**

From Paraguay. Seeds presented by the Instituto Agronomico Nacional, Servicio Tecnico Inter-Americano de Cooperacion Agricola, Caacupe. Received August 30, 1962.

**282801.** PASPALUM CONJUGATUM Berg Poaceae.

**282802.** PASPALUM GUENOARUM Arech.

**282803 to 282805.** PASPALUM NOTATUM Fluegge **Bahiagrass.**

**282803.** No. 1.

**282804.** No. 2.

**282805.** No. 742.

**282806.** PASPALUM ROJASII Hack.

**282807.** PASPALUM cf. MACROPHYLLUM HBK. (?)

No. 1.

**282808 and 282809.** PASPALUM ROJASII Hack.

**282808.** No. 2.

**282809.** No. 3.

**282810.** PASPALUM sp.

No. 125.

**282811 to 282813.** PASPALUM ROJASII Hack.

**282811.** No. 126.

**282812.** No. 127.

**282813.** No. 129.

**282814 and 282815. PRUNUS CERASUS L. Amygdalaceae.**

**Sour cherry.**

From Denmark. Scions presented by Count F. M. Knuth, Knuthenborg, Bandholm. Received September 4, 1962.

Grown in Knuthenborg Estate Orchards, Bandholm.

**282814.** 'Stevns'.

**282815.** 'Late Stevns'.

**282816. HIBISCUS BIFURCATUS Cav. Malvaceae. Rosemallow.**

From Surinam. Seeds presented by the Agricultural Experiment Station, Paramaribo. Received September 4, 1962.

**282817. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Mimosaceae. Leadtree.**

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received September 4, 1962.

Taiwan local variety, but not native.

**282818. GOSSYPIUM ARBOREUM L. Malvaceae.**

**Asiatic tree cotton.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received September 4, 1962.

'Obtusifolium'. Originally from Karachi, Pakistan.

**282819 to 282825. ORYZA SATIVA L. Poaceae.**

**Rice.**

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received September 4, 1962.

282819. C-115. 282823. Kaohsiung line 164.

282820. 'Chia-nung 242'. 282824. 'Pai-kan Tau'.

282821. Kaohsiung line 135. 282825. 'Taitung Yu 83'.

282822. Kaohsiung line 137.

**282826 to 282879.**

From Chad. Seeds presented by Pierre Bezot through the United States Embassy, Fort Lamy. Received September 4, 1962.

All cultivated from Ferme de Deli, Moundou. Code numbers of Deli origin.

**282826 to 282828. SORGHUM (hybrids). Poaceae.**

282826. No. 1104. 'Oua n'da'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months; panicle somewhat lax; glumes very long; seeds clear ivory, without brown hulls, very hard. An intermediate between *S. membranaceum* and *S. elegans*, much valued as food.

282827. No. 1421. 'Oua n'da'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months; panicles moderately long; seeds yellow, moderately hard. An intermediate between *S. membranaceum* and *S. elegans*.

282828. No. 1453. 'Tosoredje'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months; panicles very lax; glumes very long; seeds clear white, without brown hulls, moderately hard. Intermediate between *S. membranaceum* and *S. elegans*, much valued as food.

**282829 to 282843. SORGHUM CAUDATUM (Hack.) Stapf**

282829. No. 20. 'Nadjada'. Abou Deia, latitude 11° N.; annual rainfall 750 mm. Plants grow to 2.5 meters high, an early type maturing in 3 months; panicles semicompact; seeds red, large, starchy.

282830. No. 91A. 'M'Bao Djinguell'. Bousso, latitude 10° to 11° N.; annual rainfall 800 mm. Plants grow to 4 meters high, mature in 5 months; panicles semicompact, spindly; seeds white, without brown hulls, starchy, of good size. May be field sown or transplanted.

282831. No. 204. 'N'Damadjar'. Bousso, latitude 10° to 11° N.; annual rainfall 800 mm. Plant grows to 3.5 meters high, matures in 5 months; panicles spindly, semicompact; seeds red, without brown hull. May be field sown or transplanted.

282832. No. 243. 'Madara'. Melfi, latitude 11° N.; annual rainfall 750 mm. Plants grow to 2.5 meters high, mature in 3 months; panicles semicompact; seeds red, starchy. Early type.



**282826 to 282879—Continued****282829 to 282843—Continued**

- 282833.** No. 571. 'Bakmal'. Baibokoum, latitude 8° N.; annual rainfall 1,300 to 1,400 mm. Plants grow to 3.5 meters high, mature in 5 months; panicles cylindrical, semicompact; seeds yellowish, without brown hulls, passably good. Type 'Berre', late.
- 282834.** No. 614. 'Ouaie Abna'. Massenya, latitude 11° to 12° N.; annual rainfall 700 mm. Plants grow to 2.5 meters high, mature in 3 months; panicles somewhat compact; seeds red, starchy, with brown hull. Early type.
- 282835.** No. 740. 'Oua Berr'. Lai, latitude 9° N.; annual rainfall 1,000 mm. Plants grow to 4 meters high, mature in 6 months; panicles cylindrical, semicompact; seeds small, white, without brown hulls, hard. Type 'Berre', late.
- 282836.** No. 821. 'Mokoye'. Lai, latitude 9° N.; annual rainfall 1,000 mm. Plants grow to 3 meters high, mature in 3 months; panicles semicompact; seeds red, very starchy. Early type.
- 282837.** No. 981. 'Kouran N'Da'. Doba, latitude 8° to 9° N.; annual rainfall 1,100 mm. Plants grow to 2 meters high, mature in 5 months; panicles cylindrical, semicompact; seeds white, with brown hulls, starchy. Type 'Kouran', semilate; grown around huts; used in making beer.
- 282838.** No. 1008. 'Kouran Kass'. Doba, latitude 8° to 9° N.; annual rainfall 1,100 mm. Plants mature in 5 months; panicle cylindrical, semicompact; seeds reddish, with brown hulls, very starchy. Type 'Kouran'; semilate; main variety around huts; used in making beer.
- 282839.** No. 1027. 'Kowian'. Koumra, latitude 9° N.; annual rainfall 1,000 mm. Plants mature in 5 months; panicles cylindrical semicompact; seeds brown, with brown hulls, very starchy. Type 'Kouran'; semilate; grown around huts; used in making beer.
- 282840.** No. 1032. 'Gop'. Koumra, latitude 9° N.; annual rainfall 1,100 mm. Plants mature in 5 months; panicles cylindrical, semicompact; seeds white with brown hulls, starchy. Type 'Kouran', semilate; bird feed.
- 282841.** No. 1038. 'Godji'. Koumra, latitude 9° N.; annual rainfall 1,000 to 1,100 mm. Plants grow to 3 meters high, mature in 3 months; panicles semicompact; seeds red, very starchy. Early type.
- 282842.** No. 1049. 'Kell'. Koumra, latitude 9° N.; annual rainfall 1,100 mm. Plants mature in 6 months; panicles semicompact; seeds small, whitish, without brown hulls, hard. Type 'Berre'; late.
- 282843.** No. 1297. 'Sian'. Moundou, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants mature in 5 months; stalks juicy; seeds white, with brown hull, hard.

**282844 to 282856. SORGHUM ELEGANS (Koern.) Snowden**

- 282844.** No. 499. 'Oua Kela'. Moissala, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months; stalk recurved when mature; panicles loose; seeds white, without brown hull, hard.
- 282845.** No. 708A. 'Oua Kela'. Koumra, latitude 9° N.; annual rainfall 1,000 mm. Plants grow to 4 meters, mature in 6 months; stalks recurved when mature; panicles lax; seeds whitish, without brown hulls, somewhat hard.
- 282846.** No. 988. 'Oua n'da'. Doba, latitude 8° N.; annual rainfall 1,100 mm. Plants grow to 4 meters high, mature in 6 months; stalks recurved when mature; panicles lax; seeds whitish, without brown hull, somewhat hard.

**282826 to 282879—Continued****282844 to 282856—Continued**

282847. No. 1168. 'Oua Kass'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds light tan, without brown hull, somewhat hard.
282848. No. 1172. 'Oua Kass'. Koundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds light tan, clear, without brown hull, somewhat hard.
282849. No. 1241. 'Djabao'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds light tan, without brown hulls, somewhat hard.
282850. No. 1250. 'Oua Kass'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds light tan, without brown hulls, somewhat hard.
282851. No. 1260. 'Oua Nide'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds whitish, without brown hulls, very hard.
282852. No. 1264. 'Oua N'da'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds white, large, without brown hulls, somewhat hard.
282853. No. 1335. 'Oua Kass'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds light tan, without brown hulls, somewhat starchy.
282854. No. 1372. 'Oua Kass'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds light tan, without brown hulls, somewhat hard.
282855. No. 1439. 'Oua Kass'. Moundou, latitude 9° N.; annual rainfall, 1,100 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds light tan, without brown hull, starchy.
282856. No. 1532. 'Oua N'da'. Moundou, latitude 9° N.; annual rainfall 1,100 mm. Plants grow to 4 meters high, mature in 6 months. Stalks recurved when mature; panicles lax; seeds whitish, small, without brown hulls, hard.

**282857 and 282858. SORGHUM GUINEENSE Stapf**

282857. No. 380. 'Galang Oualema'. Gounou Gaya, latitude 9° to 10° N.; annual rainfall 900 to 1,000 mm. Plants grow to 5 meters high, mature in 5.5 months; panicles very long; glumes open; seeds crosswise, white, flat, without brown hulls, hard. Culture is limited to the "Toubouri" zone in Chad.
282858. No. 856. 'Mir N'da'. Gore, latitude 8° N.; annual rainfall 1,200 to 1,300 mm. Plants grow to 5 meters high, mature in 5.5 months; panicles very long; glumes fully open; seeds crosswise, white, flat, without brown hulls, hard. Suitable for culture outside "Toubouri".

**282859 to 282867. SORGHUM MELLITUM Snowden.**

282859. No. 674. 'Loussour'. Massenya, latitude 11° N.; annual rainfall 800 mm. Plants grow to 3.5 meters high, mature in 4 months; panicles lax; stalks juicy; seeds light brown, with brown hulls, moderately hard. A syrup sorghum of interest to zones with scant rainfall.

**282826 to 282879—Continued****282859 to 282867—Continued**

- 282860.** No. 687. 'Loussour'. Massenya, latitude 11° N.; annual rainfall 800 mm. Plants grow to 3.5 meters high, mature in 4.5 months. Stalks juicy; panicles lax; seeds light brown, with brown hull, hard. An early syrup sorghum.
- 282861.** No. 706. 'Siam Beirade'. Koumra, latitude 9° to 10° N.; annual rainfall 1,000 mm. Plants mature in 6 months; stalks juicy; seeds violet with brown hulls, starchy. A syrup sorghum.
- 282862.** No. 1037. 'Kade Balia'. Koumra, latitude 9° N.; annual rainfall 1,000 mm. Plants mature in 5 months; stalks juicy; seeds violet, with brown hulls, starchy. A syrup sorghum.
- 282863.** No. 1110. 'Sian Dondje'. Moundou, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants mature in 5 months; stems juicy; seeds with brown hulls, somewhat starchy. A syrup sorghum.
- 282864.** No. 1114. 'Sian Bongo Dog'. Moundou, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants mature in 5 months; stalks juicy; seeds with brown hulls. A syrup sorghum.
- 282865.** No. 1139. 'Sian Guebe'. Moundou, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants mature in 5 months; stalks juicy; seeds beige, with brown hulls, starchy. A syrup sorghum.
- 282866.** No. 1309. 'Sian Tegne'. Moundou, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants mature in 5.5 months; stalks juicy, seeds rose-colored, starchy. A syrup sorghum.
- 282867.** No. 1435. 'Sian Oua'. Moundou, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants mature in 5.5 months; stalks juicy; seeds beige, small, with brown hulls, hard. A syrup sorghum.

**282868 to 282876. SORGHUM MEMBRANACEUM Chiov.**

- 282868.** No. 428. 'Sian'. Kelo, latitude 9° N.; annual rainfall 1,000 mm. Plants grow to 4 meters high, mature in 5.5 months; panicles lax; stalks juicy; seeds beige, with brown hulls, starchy. A syrup sorghum.
- 282869.** No. 720. 'Oua Kela'. Koumra, latitude 9° N.; annual rainfall 1,000 mm. Plants grow to 4 meters high, mature in 6 months; panicles semilax; glumes very long; seeds white, without brown hulls, moderately hard. Much valued as food; unsuitable for beer.
- 282870.** No. 888. 'Sian Do Kou'. Moundou, latitude 9° N.; annual rainfall 1,100 to 1,200 mm. Plants grow to 3.5 meters, mature in 6 months. Stalks juicy; seeds beige, with brown hulls, starchy. A syrup sorghum.
- 282871.** No. 984. 'Kade Berkoujon'. Doba, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants grow to 4.5 meters, mature in 6 months. Stalks juicy; seeds reddish, hard. A syrup sorghum.
- 282872.** No. 1345. 'Mese Bore'. Moundou, latitude 9° N.; annual rainfall 1,200 mm. Plants grow to 3.5 meters, mature in 6 months; panicles semilax; glumes very long; seeds white, moderately hard. Much valued as food.
- 282873.** No. 1405. 'Sian Dou Dog'. Moundou, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants mature in 5.5 months; stalks juicy; seeds whitish, hard, without brown hulls. A syrup sorghum.
- 282874.** No. 1469. 'Mesa Doubia'. Moundou, latitude 9° N.; annual rainfall 1,100 mm. Plants grow to 3.5 meters high, mature in 6 months; panicles semilax; glumes very long; seeds white. Much valued as food.
- 282875.** No. 1484. 'Kalanga'. Moundou, latitude 9° N.; annual rainfall 1,100 mm. Plants grow to 3 meters high, mature in 5 months; panicles semilax; glumes very long; seeds white, without brown hulls, very hard. Much valued as food.



## 282826 to 282879—Continued

## 282868 to 282876—Continued

282876. No. 1495. 'Kalanga'. Kala, latitude 9° to 10° N.; annual rainfall 1,000 mm. Plants grow to 3.5 meters high, mature in 6 months; panicles semilax; glumes very long; seeds white, without brown hulls, very hard. Much valued as food.

282877 to 282879. *SORGHUM NOTABILE* Snowden

282877. No. 786. 'Oua Kam Kero'. Lai, latitude 9° to 10° N.; annual rainfall 1,000 mm. Plants grow to 4 meters high and mature in 5 months; stalks slender; panicles long; seeds slightly transverse, bearing glumes, gray, starchy, with brown hulls.

282878. No. 989. 'Mir'. Doba, latitude 9° N.; annual rainfall 1,100 mm. Plants grow to 5 meters high, mature in 5 months; stalks slender; panicles long, lax; seeds transverse, red, starchy, with brown hulls.

282879. No. 995. 'Mir'. Doba, latitude 8° to 9° N.; annual rainfall 1,200 mm. Plants grow to 4 meters high, mature in 5 months; stalks slender; panicles long, lax; seeds transverse, red, large, starchy, with brown hulls. For beer.

## 282880 to 282897.

From Uruguay. Seeds presented by the Facultad de Agronomía, Universidad de la República, Montevideo. Seeds collected from plants in the Botanic Garden. Received September 5, 1962.

282880. *BRIZA ERECTA* Lam. Poaceae.

No. 3090. From Balneario "Kiyu", Department of San Jose.

282881. *BRIZA FUSCA* (Parodi) Parodi

No. 55. From Desconocido.

282882. *BRIZA TRILOBA* Nees

No. 310. From Desconocido.

282883. *PASPALUM BRASILIENSE* (Spreng.) Hackel Poaceae.

No. 3570. From a moist, sandy location at Bawado de Rocha, Department of Tacuarembó.

282884 to 282890. *PASPALUM DILATATUM* Poir. Dallisgrass.

282884. No. 1064. From Kilometer 56, Camino a la Represa, Department of Canelones.

282885. No. 1386. From Parque Lecocq, Department of Montevideo.

282886. No. 1561. From Paso de la Isleta and along the stream of the same name, Department of Salto.

282887. No. 1710. Sandy soil along Ruta Interbalnearia near Balneario Fortín de Santa Rosa.

282888. No. 3036. From a low place, Granja Modelo.

282889. No. 3653. From a low, moist field at Estancio Arrarte, 13 km. from Pueblo 18 de Julio, Department of Rocha.

282890. No. 3734. From a low, sandy location at Paso Real along Arroyo Batovi Dorado, Department of Rivera.

282891. *PASPALUM HAUMANII* Parodi

No. 3. From a moist situation, Arazati, Department of San Jose.

282892. *PASPALUM JURGENSII* Hack.

No. 221. From rough country, Cuervos, Department of Treinta and Tres.

282893. *PASPALUM NICORAE* Parodi

No. 3044. From Parque Lecocq, Department of Montevideo.

**282880 to 282897—Continued**

282894 and 282895. *PASPALUM URVILLEI* Steud. **Vaseygrass.**

282894. No. 3572. From moist sandy location, Banado de Roche, Department of Tacuarembó.

282895. No. 3743. From low sandy place along highway, Route 5, 15 km. from Paso Manuel Diaz, Department of Rivera.

282896. *STIPA MEGAPOTAMIA* Spreng. ex Trin. **Poaceae.**

No. 3141. 'Latiflora'. From Desconocido.

282897. *STIPA TENUIS* R. A. Phil.

No. 94. From La Pampa Province, Argentina.

**282898. *MALUS SYLVESTRIS* Mill. **Malaceae.****

From Japan. Scions presented by the Minister of Agriculture and Forestry, Morioka Branch Horticultural Research Station, Shimokuriyagawa, Morioka. Received September 6, 1962.

'Fuji' ('Ralls' × 'Delicious'). Late variety, harvested Nov. 10 in Japan. Keeps well in common storage until May. Resembles 'Delicious' in flavor.

**282899 to 282933.**

From Argentina. Seeds presented by the Instituto de Fitotecnica, Buenos Aires. Received May 22, 1962. Numbered September 6, 1962.

282899 and 282900. *TRITICUM* (hybrids). **Poaceae.**

282899. I 1020. (*T. aestivum* × *Secale cereale*). Triticale B-4081, RL 2388.

282900. I 1037 (*T. aestivum* 'Chinese' × *Agropyron elongatum*). Pw. 327.

**282901 to 282930. *TRITICUM AESTIVUM* L.**

**Common wheat.**

282901. I 977. 'Ble de Mars'.

282902. I 979. 'Chevalier'.

282903. I 983. 'Favori'.

282904. I 989. 61-O.

282905. I 992. 'Professeur Journee'.

282906. I 999. A.1.

282907. I 1001. 'Helomuni'.

282908. I 1002. 'Murachijn Sela'.

282909. I 1004. 'Carsten VI'.

282910. I 1008. 'Ibloskai 7'.

282911. I 1015. 'Granos Blancos'.

282912. I 1016. 'Granos Purpuras'.

282913. I 1019. 'Sensation Surnumeraire'.

282914. I 1024. 'Yatung Valley'.

282915. I 1025. 'Amharai'.

282916. I 1026. 'Auguste Tessier'.

282917. I 1027. 'Benvenuto Sabina'.

282918. I 1029. 'Candeal Durumbuck'.

282919. I 1034. 'Colotana 262/51'.

282920. I 1035. 'Colotana 266/51'.

**282899 to 282933—Continued****282901 to 282930—Continued**

282921. I 1038. 'Chino 166' × 'Lin Calel M.A.'.

282922. I 1039. 'Chino 166' × 'Lin Calel M.A.'.

282923. I 1040. 'Dickson's No. 365'.

282924. I 1041. 'Dickson's No. 444'.

282925. I 1050. 23-J.

282926. I 1051. 43-O.

282927. I 1052. 45-I.

282928. I 1053. 'Pergamino Gaboto M.A.G.'.

282929. I 1055. 'Riccio' × 'Lin Calel M.A.'.

282930. I 1057. 'Sureno M.A.'.

282931. *TRITICUM* sp.

I 1021. (esp. 1.)

282932 and 282933. *TRITICUM TIMOPHEEVII* Zhuk.

282932. I 1022. D-357.1.

282933. I 1023. 'Nigrum'.

**282934 and 282935.**

From Italy. Scions presented by Arturo Ansaloni, Bologna. Received Sept. 10, 1962.

282934. *MALUS SYLVESTRIS* Mill. Malaceae.

'Rubra Precoce Breviglieri'.

282935. *PYRUS COMMUNIS* L. Malaceae.

'Butirra Rosata Morettini'.

**282936. DIETES VEGETA N. E. Br. Iridaceae.**

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received Sept. 10, 1962.

From the National Botanic Gardens. May be slow burning.

**282937. MICROCITRUS GARRAWAYI (Bail.) Swingle Rutaceae.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Sept. 10, 1962.

Collected at Iron Range, North Queensland.

**282938. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.**

From New Guinea. Seeds presented by the Department of Agriculture Territory of Papua and New Guinea, Port Moresby. Received Sept. 10, 1962.

'Mauthner'. Dwarf, from Epo.

**282939 to 282948. ORYZA SATIVA L. Poaceae. Rice.**

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received Sept. 11, 1962.

282939. 'Custugulcule'.

282940. 'Kao-chio-lin-chou'.

282941. 'Kun-shan-wu-shan-keng'.

282942. 'Kwang-fu No. 1'.



**282939 to 282948—Continued**

282943. 'Natala'.  
 282944. 'Nung-lin No. 21'.  
 282945. 'Pai-kan-tao'.  
 282946. 'Tai No. 1'.  
 282947. 'Taichung Line No. 33'.  
 282948. 'Taichung-tichio-wu-chien'.

**282949 to 282959.**

From the United States. Plants collected in Texas by J. B. Storey, Texas Agricultural and Mechanical College, College Station. Numbered Sept. 11, 1962.

**282949. PRUNUS ANGUSTIFOLIA Marsh. Amygdalaceae. Chickasaw plum.**

Col. No. Tex 20. 'Hutchens Plum'. H. Hutchens orchard, Grandview. Tree and fruit typical; flowering and fruit ripening periods 6 weeks long. Only plum collection found in Texas in 1962 with full crop; other destroyed by spring freeze.

**282950 to 282958. PRUNUS PERSICA (L.) Batsch Peach.**

282950. Col. No. Tex 9. Taylor Stuckman yard, Hampshire, Jefferson County. 1954 'Elberta' seedling; tree healthy, 15 feet high, unpruned; reniform glands; flowering period one month; fruit firm, yellow, freestone with 'Elberta' taste, oblong, with less red than 'Elberta', long ripening period, late July.

282951. Col. No. Tex 10. 'Mae Gaulding'. Behind garage, Route 2, Box 444, Beaumont, Jefferson County. California seedling, 5 or 6 years old, 12 feet high, healthy; fruit very large, ripens June 1; skin red; flesh white, semicling. Bore heavily 1960 and 1961; crop frost killed in 1962.

282952. Col. No. Tex 11. H. Hutchens orchard, Grandview. A 12-year-old 'Frank' seedling; fruit large, ripens late July; (scale 0 to 10) shape 8; color 6 (yellow); appearance 7; firmness 8 (firm); freestone 0 (cling); quality 7.

282953. Col. No. Tex 12. H. Hutchens orchard, Grandview. A 12-year-old 'Frank' seedling; fruit ripens late July; shape 6; color 7; appearance 7; firmness 8; quality 8; freestone 0.

282954. Col. No. Tex 13. H. Hutchens orchard, Grandview. Tree 12 years old; fruit ripens with 'Elberta', large; shape 5; color 5 (all yellow); appearance 6; firmness 7; quality 7 (medium texture, much red flesh); freestone 0. 1962 crop poor due to freeze.

282955. Col. No. Tex 14. H. Hutchens orchard, Grandview. Tree 12 years old; fruit ripens late July; shape 7; color 8; appearance 7; firmness 8; quality 7 (fine texture); freestone 0; flavor excellent, resembles the 'Indian'. 1962 crop excellent.

282956. Col. No. Tex 15. H. Hutchens orchard, Grandview. Tree 12 years old. Flowers with 'Frank'; fruit extremely large, clingstone. 1962 crop frozen.

282957. Col. No. Tex 16. H. Hutchens orchard, Grandview. Tree 12 years old, fruit very large; shape 6; color 5; appearance 7; firmness 8; quality 7 (stringy); freestone 0. Crop: 8 bushels annually.

282958. Col. No. Tex 17. H. Hutchens orchard, Grandview. Tree 12 years old; fruit large; shape 6; color 6 (yellow); appearance 7; firmness 8; quality 7 (slightly stringy). Ripens late July.

**282959. PRUNUS PERSICA var. NECTARINA (Ait.) Maxim. Nectarine.**

Col. No. Tex 18. 'Coldspring'. Budded tree near Coldspring; fruits large, smooth, deep red when mature, excellent quality.

**282960. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**

From Canada. Seeds presented by the Ontario Agricultural College, Guelph.  
Received Sept. 11, 1962.

'Tanggula'.

**282961. PANICUM MAXIMUM Jacq. Poaceae. Guineagrass.**

From the Philippines. Stolons presented by the Director of Bureau of Plant Industry, Manila. Received Sept. 11, 1962.

From La Granja Experiment Station, La Carlota, Negros Occidental. Collected Aug. 27, 1962.

**282962 to 282964.**

From the Philippines. Cuttings presented by The Director of Plant Industry, San Andres, Malate, Manila. Received Sept. 11, 1962.

**282962. HIBISCUS MUTABILIS L. Malvaceae.**

**Cotton rosemallow.**

**282963. HIBISCUS ROSA-SINENSIS L.**

**Chinese hibiscus.**

**282964. HIBISCUS SYRIACUS L.**

**Shrub-althea.**

**282965. GOSSYPIUM sp. Malvaceae.**

From Czechoslovakia. Scions presented by the Rektorat Vysoke Skoly Zeme-  
Sept. 12, 1962.

**282966 to 282983. PYRUS COMMUNIS L. Malaceae.**

From Czechoslovakia. Scions presented by the Kektorat Vysoke Skoly Zeme-  
delske, Praha. Received September 17, 1962.

**282966. 'Aarer Pfundbirne'.**

**282975. 'Muskatelka Prava'.**

**282967. 'Bere Kozlovskaja'.**

**282976. 'Muskatelka Seda'.**

**282968. 'Cistecka Bananova'.**

**282977. 'Sapiezanka'.**

**282969. 'Doca Blandevej'.**

**282978. 'Solanka'.**

**282970. 'Inflancka'.**

**282979. 'Talasova Zimni'.**

**282971. 'Jakubka Ceska'.**

**282980. 'Toulouska Pozdni'.**

**282972. 'Kair Aarmund'.**

**282981. 'Ulmaka'.**

**282973. 'Lezinova'.**

**282982. 'Wawrzyniec'.**

**282974. 'Lukavanski'.**

**282983. 'Windorska'.**

**282984. FRAGARIA VESCA L. Roasceae. European strawberry.**

From New Zealand. Plants presented by the Horticultural Research Station,  
Levin. Received September 19, 1962.

'Captain Cook'. From heat-treated plants. Supposedly free from viruses.

**282985 to 282990. BETA VULGARIS L. Chenopodiaceae.**

**Common beet.**

From Poland. Seeds presented by Rolimplex National Enterprises, Warsaw.  
Received September 24, 1962.

**282985. A J Poli 2 Nr. 224.**

**282986. Poly-I.H.A.R. Poli-0.**

**282987. Poly-Mono I.H.A.R. Poli-0.**

**282988. P-Poly.**

**282989. SWHN-N-Poly.**

**282990. Tetra-tri-Polanowice. Poli-0.**

**282991. PHASEOLUS AUREUS Roxb. Fabaceae. Mung bean.**

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received April 28, 1961. Numbered September 12, 1962.

Leaves trifid, an uncommon form, probably selected from an American strain.

**282992 to 282994.**

From Peru. Seeds collected and presented by J. Wurdack, Smithsonian Institution, Washington, D.C. Received September 24, 1962.

**282992. BRACHYOTUM sp. Melastomataceae.**

Col. No. 1267.

**282993. BRACHYOTUM sp.**

Col. No. 1304. Calla-calla.

**282994. MERIANIA sp. Melastomataceae.**

Col. No. 1250.

**282995 to 282997. MYRICA RUBRA Sieb. & Zucc. Myricaceae. Waxmyrtle.**

From Japan. Seeds presented by the Horticultural Section, Ministry of Agriculture and Forestry, Tokyo. Received September 24, 1962.

Seeds of large-fruited varieties collected on Shikoku Island, Tokushima Prefecture. Received as *M. rubra* var. *alba*.

**282995.** 'Konda', 'Kondo-Momo' or 'Zuiko'. Originally from Fukien, China. Introduced by and named for K. Kondo. Midseason variety, maturing from late June to early July. Very productive. Berries dark red and very large, 2.5 to 3.0 cm. in diameter. Very sour.

**282996.** 'Shiro-Momo' (White peaches). Berries white, tinted very pale red, small, sweetest of all *Myricas*. High acid content. Late season variety. Ships well but has little market demand due to color and size.

**282997.** 'Yogawachi' (means Unknown). Katsuura county, Tokushims Prefecture. Midseason variety, maturing from late June to early July. Berries dark red, medium size, very sweet. A good commercial variety.

**282998. SACCHARUM (hybrid). Poaceae. Sugarcane.**

From Australia. Cuttings presented by the Bureau of Sugar Experiment Stations, Brisbane, Queensland. Received September 25, 1962.

'58B.38'. Sugar Experiment Station, Gordonvale, North Queensland.

**282999. MEDICAGO SATIVA L. Fabaceae. Alfalfa.**

From Greece. Seeds presented by the Hellenic Agricultural Research Institute, Larissa. Received September 25, 1962.

Ecotype 'Marchigiana'. M-4731.

**283000. ORYZOPSIS COERULESCENS (Desf.) Hack. Poaceae.**

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received September 25, 1962.

From Mount Carmel.

**283001 to 283027.**

From Uruguay. Seeds presented by the Facultad de Agronomia, Laboratorio de Balanica, Montevideo. Received Sept. 25, 1962.

**283001. ANDROPOGON SELLOANUS (Hack.) Poaceae.**

No. 3731. Sandy, rocky fields, Batovi Dorado, Real (Estanc. Dambore), Dept. of Rivera. Perennial summer grass, frequent in the north, neither productive nor palatable.



**283001 to 283027—Continued****283002. ANDROPOGON TERNATUS (Spreng.) Nees**

No. 3098. Virgin fields around Parque Lecocq, mouth of the St. Lucia River, Dept. of Montevideo. Common perennial summer grass.

**283003. BOTHRIOCHLOA BARBINODIS (Lag.) Herter Poaceae.**

No. 3463. Pta Gorda, Dept. of Colonia. Summer perennial of medium height.

**283004. BOTHRIOCHLOA EDWARDSIANA (Gould) L. R. Parodi**

No. 161. Alkaline soil, locality unknown. Perennial summer grass of medium height.

**283005. BOTHRIOCHLOA IMPERATOIDES (Hack.) Herter**

No. 1616. Abundant in virgin fields in some localities, Route 3 and Arroyo Grande, Dept. of Flores. Summer perennial of medium height, more appetizing and productive than *B. laguroides*.

**283006 to 283010. BOTHRIOCHLOA LAGUROIDES (DC.) Pilgev**

Plants short, frequent in arid land. A summer perennial of little forage value.

**283006.** No. 3897. Sierra Mohonea, Dept. of San Jose.

**283007.** No. 3898. Paez, Dept. of Cero Largo.

**283008.** No. 3899. Cerro de Montevideo, Dept. of Montevideo.

**283009.** No. 3900. Baln. La Floresta, Dept. of Canelones.

**283010.** No. 3901. Chapicuy (Rout 3), Dept. of Paysandu.

**283011. DIGITARIA ENODE (Hack.) Parodi Poaceae.**

No. 313. Location unknown.

**283012. MELICA MACRA Nees Poaceae.**

No. 3064. Represa del Canelon Grande, Dept. of Canelones. Perennial winter grass.

**283013 to 283019. PASPALUM DILATATUM Poir. Poaceae. Dallisgrass.**

Perennial summer grass.

**283013.** No. 1226. Low field, Sierra Mahoma, Dept. of San Jose.

**283014.** No. 1390. Desconocido.

**283015.** No. 1425. Meseta de Artigas, Dept. of Paysandu.

Plants vigorous; panicles very erect, 3 to 5 per inflorescence, short.

**283016.** No. 1445. Desconocido.

**283017.** No. 1732. Arazati, Dept. of San Jose.

**283018.** No. 3038. Lugar Desconocido, Dept. of Durazno.

**283019.** No. 3039. Lugar Desconocido, Dept. of Durazno.

Plant vigorous.

**283020. PASPALUM NICORAE Parodi**

No. 3772. Near Tranqueras, Route 30, Dept. of Rivera. Perennial summer grass of medium height frequently found in virgin fields.

**283021. PASPALUM POLYPHYLLUM Nees**

No. 3738. Rocky fields, Paso Manuel Diaz, Dept. of Rivera. Scarce, perishable, perennial summer grass.

**283022 to 283024. PASPALUM QUADRIFARIUM Lam.**

Tall perennial summer grass found in virgin fields; productive, palatable.

**283001 to 283027—Continued****283022 to 283024—Continued**

**283022.** No. 1634. Meseta de Artigas, Dept. of Paysandu.

**283023.** No. 3276. Location unknown, Dept. of Rio Negro.

**283024.** No. 3305. Joanico, Dept. of Canelones.

**283025.** *PASPALUM URVILLEI* Steud.

Vaseygrass.

No. 3536. Fertile, humid soils, Tacuarembó Chico, Dept. of Tacuarembó. Productive, palatable, perennial summer grass.

**283026 and 283027.** *PASPALUM YAGUARONENSE* Henr.

Tall perennial summer grass found in damp, sandy northern localities; palatable and productive.

**283026.** No. 132. Tranqueras, Dept. of Rivera.

**283027.** No. 3751. Curticeras, Dept. of Rivera.

**283028.** *CITROPSIS DAWEANA* Swing. & M. Kell. Rutaceae.

From Rhodesia. Seeds presented by the United States Consular Service, Salisbury. Received September 26, 1962.

From the Institute do Alga dao, Lourenco Marques, Mozambique.

**283029.** *PRUNUS ARMENIACA* L. Amygdalaceae. **Apricot.**

From the United States. Plant maintained at the Louisiana Experiment Station, University Station, Baton Rouge. Numbered Sept. 26, 1962.

Tex 19. 'Cleburne Apricot'. Collected in backyard, 308 North Walnut, Cleburne, Tex., by J. B. Storey. Tree large; fruits small, of medium quality. Bore good crop for 27 years.

**283030 to 283059.**

From Japan. Trees purchased from Miura-Noen, Nippa, Kohoku, Yokohama. Received April 20, 1962. Numbered Sept. 26, 1962.

**283030.** *ACER JAPONICUM* Thunb. Aceraceae.

Fullmoon maple.

No. 53. 'Ezono-Omomiji'.

**283031.** *ACER MONO* Maxim.

No. 40. 'Kata-Meigetsu'.

**283032 to 283057.** *ACER PALMATUM* Thunb.

Japanese maple.

**283032.** No. 2. 'Koshibori-Nishiki'.

**283033.** No. 5. 'Akaji-Nishiki'.

**283034.** No. 6. 'Orido-Nishiki'.

**283035.** No. 7. 'Akegarasu'.

**283036.** No. 8. 'Shigure-Some'.

**283037.** No. 15. 'Mikawayama'.

**283038.** No. 18. 'Kiri-Nishiki'.

**283039.** No. 19. 'Sekimori'.

**283040.** No. 24. 'Matsugae'.

**283041.** No. 31. 'Shime-no-Uchi'.

**283042.** No. 35. 'Ogurayama'.

**283043.** No. 26. 'Hanazono-Nishiki'.

**283044.** No. 37. 'Sode-no-Uchi'.

**283045.** No. 39. 'Nuresagi'.

**283030 to 283059—Continued****283032 to 283057—Continued**

- 283046. No. 41. 'Wabihito'.
- 283047. No. 42. 'Kurabeyama'.
- 283048. No. 47. 'Awome-no-Uchi Shidare'.
- 283049. No. 50. 'Karasugawa'.
- 283050. No. 52. 'Mure-Hibari'.
- 283051. No. 54. 'Takinogawa'.
- 283052. No. 55. 'Shigitatsu'.
- 283053. No. 57. 'Nanasegawa'.
- 283054. No. 58. 'Shinobuga Oka'.
- 283055. No. 59. 'Shigarami'.
- 283056. No. 60. 'Noumura'.
- 283057. No. 61. 'Ukon'.

**283058. ACER sp.**

- No. 37. 'Sode-no-Uchi'.

**283059. ACER sp.**

- No. 46. 'Matuba Tukaeda'.

**283060 to 283065.**

From Canada. Tubers presented by the Canadian Department of Agriculture Research Station, Fredericton, New Brunswick. Received Nov. 7, 1961. Numbered Sept. 26, 1962.

**283060. SOLANUM BULBOCASTANUM Dun. Solanaceae.**

- 2n-48.

**283061 to 283063. SOLANUM CARDIOPHYLLUM Lindl.**

- 283061. C-218 × C-298.
- 283062. (C-218 × C-298) × (C-207 × C-297).
- 283063. (C-218 × C-298) × (C-218 × C-297).

**283064 and 283065. SOLANUM TRIFIDUM Correll**

- 283064. C-201 × C-244.
- 283065. C-308 × C-299.

**283066 to 283091.**

From Germany. Seeds presented by the Max Planck Institute für Zuchtforschung, Köln-Vogelsang. Received March 17, 1962. Numbered Sept. 26, 1962.

**283066 and 283067. SOLANUM (hybrids). Solanaceae.**

- S. raphanifolium* × diploid cultivar (natural hybrid).

- 283066. R-58.1026. EBS-1876. Sa-Z-10.
- 283067. R-58.1035. EBS-1885. Sa-Z-5.

**283068 to 283070. SOLANUM BERTHAULTII Hawkes**

- 283068. R-58.461. EBS-1811. Sa-Z-50.
- 283069. R-58.493. EBS-1842. Sa-Z-50.
- 283070. R-58.494. EBS-1843. Sa-Z-50.

**283071. SOLANUM BOLIVIENSE Dunal.**

- R-58.496. EBS-1845. Sa-Z-5.



**283066 to 283091—Continued**

- 283072 and 283073. *SOLANUM BUKASOVII* Juz.  
 283072. R-58.472. EBS-1822. Sa-Z-10.  
 283073. R-58.1046. EBS-1896. Sa-Z-20.
283074. *SOLANUM CANASENSE* Hawkes  
 R-58.1071. EBS-1921. Sa-Z-30.
283075. *SOLANUM CHACOENSE* × *S. TARIJENSE*  
 R-58.483. EBS-1833. Sa-Z-30. Natural hybrid.
283076. *SOLANUM GANDARILLASII* Card.  
 R-58.490. EBS-1840. Sa-Z-15.
283077. *SOLANUM INFUNDIBULIFORME* Phil.  
 R-58.432. EBS-1782. Sa-Z-10.
- 283078 to 283080. *SOLANUM MARINASENSE* Vargas  
 283078. R-58.1025. EBS-1875. Sa-Z-5.  
 283079. R-58.1033. EBS-1883. Sa-Z-4.  
 283080. R-59.1037. EBS-1887. Sa-Z-20.
283081. *SOLANUM MEDIANS* Bitt.  
 R-58.1056. EBS-1906. Sa-Z-26.
- 283082 to 283084. *SOLANUM MEGISTACROLOBUM* Bitt.  
 283082. R-58.437. EBS-1787. Sa-Z-30.  
 283083. R-58.454. EBS-1804. Sa-Z-13.  
 283084. R-58.1015. EBS-1865. Sa-Z-5.
283085. *SOLANUM MULTIINTERUPTUM* Bitt.  
 R-58.1061. EBS-1911. Sa-Z-71.
- 283086 and 283087. *SOLANUM RAPHANIFOLIUM* Cardenas & Hawkes  
 283086. R-58.1020. EBS-1870. Sa-Z-4.  
 283087. R-58.1021. EBS-1871. Sa-Z-8.
283088. *SOLANUM ROCKEFELLERIAE* Vargas  
 R-58.1038. EBS-1888. Sa-Z-10.
283089. *SOLANUM SANCTAE-ROSAE* Hawkes  
 R-58.429. EBS-1779. Sa-Z-30.
283090. *SOLANUM SPARSIPILUM* (Bitter) Juz. & Buk.  
 R-58.1014. EBS-1864. Sa-Z-20.
283091. *SOLANUM SUCRENSE* Hawkes  
 R-58.457. EBS-1807. Sa-Z-20.

**283092 to 283109.**

From Great Britain. Tubers presented by the University of Birmingham, Edgbaston, Birmingham, England. Numbered Sept. 26, 1962.

- 283092 to 283094. *SOLANUM AGRIMONIFOLIUM* Rydb. Solanaceae.  
 283092. Hawkes 1853, Guatemala.  
 283093. Hawkes 1854, Guatemala.  
 283094. Hawkes 1889, Guatemala.
283095. *SOLANUM BRACHISTOTRICHUM* (Bitter) Rydb.  
 Hawkes 1287 × 1471, Mexico.

**283092 to 283109—Continued**

283096. *SOLANUM BULBOCASTANUM* Dun.

Hawkes 1719, Mexico.

283097. *SOLANUM CARDIOPHYLLUM* Lindl.

Hawkes 1408, Mexico.

283098 and 283099. *SOLANUM CLARUM* Correll

283098. Hawkes 1849, Mexico.

283099. Hawkes 1894, Mexico.

283100 to 283103. *SOLANUM FENDLERI* A. Gray

283100. Hawkes 1216, Arizona, USA.

283101. Hawkes 1259, Mexico.

283102. Hawkes 1314, Mexico.

283103. Hawkes 1353, Mexico.

283104. *SOLANUM MICHOCANUM* (Bitt.) Rydb.

Hawkes 1541-1  $\times$  -2, Mexico.

283105. *SOLANUM PAPITA* Rydb.

Hawkes 1475, Mexico.

283106. *SOLANUM POLYTRICHON* Rydb.

Hawkes 1469, Mexico.

283107. *SOLANUM SPECTABILE* (Correll) Hawkes

Hawkes 1531, Mexico.

283108 and 283109. *SOLANUM STOLONIFERUM* Schlecht.

283108. Hawkes 1301, Mexico.

283109. Hawkes 1452, Mexico.

283110. *SOLANUM PHUREJA* Juz. & Buk. Solanaceae.

From Great Britain. Tubers received from the John Innes Institute, Bayfordbury, Hertford, Herts, England. Numbered September 26, 1962.

CPC-2214.

283111 and 283112. *SOLANUM* (hybrids). Solanaceae.

From the Netherlands. Tubers presented by the Stichting Voor Plantenveredeling, Wageningen. Numbered Sept. 26, 1962.

(*S. stenotomum*  $\times$  *S. phureja*)

283111. WAC 425  $\times$  CCC 193.

283112. Ochoa 1350  $\times$  CCC 193.

283113. *SOLANUM TUBEROSUM* L. Solanaceae.

Potato.

From New Zealand. Tubers presented by the Department of Scientific and Industrial Research, Crops Research Division, Christchurch. Numbered Sept. 26, 1962.

**283114 to 283142.**

From Peru. Tubers presented by the Ministerio de Agricultura, Servicio de Investigacion y Promocion Agraria, Lima. Numbered Sept. 26, 1962.

283114. *SOLANUM MOCHIQUENSE* Ochoa Solanaceae.

283115 to 283138. *SOLANUM PHUREJA* Juz. & Buk.

283115. Ochoa 1411, Colombia (CCC 130).

283116. 'Amarillo'. Ochoa 1399, Colombia.

**283114 to 283142—Continued****283115 to 283138—Continued**

- 283117. 'Amarillo'. Ochoa 1404, Colombia.
- 283118. 'Amarillo'. Ochoa 1407, Colombia.
- 283119. 'Amarillo'. Ochoa 1408, Colombia.
- 283120. 'Amarillo'. Ochoa 1409, Colombia.
- 283121. 'Amarillo'. Ochoa 1410, Colombia.
- 283122. 'Amarillo'. Ochoa 1539, Peru.
- 283123. 'Chaucha'. Ochoa 1475, Ecuador.
- 283124. 'Chaucha Blanca'. Ochoa 1517, Ecuador.
- 283125. 'Criolla'. Ochoa 1361, Colombia.
- 283126. 'Criolla'. Ochoa 1364, Colombia.
- 283127. 'Criolla'. Ochoa 1366, Colombia.
- 283128. 'Criolla'. Ochoa 1382, Colombia.
- 283129. 'Criolla'. Ochoa 1459, Colombia.
- 283130. 'Criolla Amarilla'. Ochoa 1373, Colombia.
- 283131. 'Criolla Amarilla'. Ochoa 1381, Colombia.
- 283132. 'Criolla Calabaza'. Ochoa 1371, Colombia.
- 283133. 'Hollandesa'. Ochoa 1502, Ecuador.
- 283134. 'Manzana'. Ochoa 1412, Colombia.
- 283135. 'Pepina'. Ochoa 1372, Colombia.
- 283136. 'Yema de Huevo'. Ochoa 1369, Colombia.
- 283137. 'Yema de Huevo'. Ochoa 1370, Colombia.
- 283138. 'Yema de Huevo'. Ochoa 1418, Colombia.

**283139 to 283142. SOLANUM STENOTOMUM Juz. & Buk.**

- 283139. 'Larga'. Ochoa 1537, Peru.
- 283140. 'Manzana Larga'. Ochoa 1466, Colombia.
- 283141. 'Pan de Dios'. Ochoa 1402, Colombia.
- 283142. 'Pano Humana'. Ochoa 1378, Colombia.

**283143 to 283145.**

From the United States. Collector or donor unknown. Numbered September 26, 1962.

**283143. SOLANUM FENDLERI A. Gray Solanaceae.**

Received in 1951.

**283144 and 283145. SOLANUM JAMESII Torr.**

283144. Collected Longmont, Colo. Received May 1956.

283145. Collected Organ Mts., N.Mex. Received Oct. 1957.

**283146. ASTRAGALUS SINICUS L. Fabaceae. Chinese milkvetch.**

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received September 27, 1962.

Originally from Japan. Grows best in moist sandy loam, and clay loam, pH preferably mildly acid to neutral. A winter herb with many root nodules; grown and used in northern Taiwan as green manure in rice paddies and as hog and cattle feed. Plants prostrate; stalks to 100 cm. long, many branched; leaves alternate, compound; flower stalks to 30 cm. long; flowers in spring, deep purple, butterfly shaped, on corymblike racemes. Planted October and November and harvested in April and May.



**283147 to 283155. TRITICUM AESTIVUM L. Poaceae.****Common wheat.**

From Jordan. Seeds presented by the Research Division, Ministry of Agriculture, through the United States Embassy, Amman. Received September 27, 1962.

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|---------------------------|----------------------------|
| 283147. 'Dorziyeh Karak'. | 283152. 'Naamiyeh'.        |
| 283148. F.8 (Selected).   | 283153. 'Qutma Horani'.    |
| 283149. 'Gabo'.           | 283154. 'Safrā Ma'an'.     |
| 283150. 'Horani Nawawi'.  | 283155. 'Zoghbiyeh Safrā'. |
| 283151. 'Italian'.        |                            |

**283156 to 283158.**

From Mexico. Stolons presented by the National Agricultural Research Institute, Mexico City. Received October 1, 1962.

283156. *DIGITARIA DECUMBENS* Stent Poaceae.  
 'Pangola grass'. From Turrialba, Costa Rica.
283157. *ECHINOCHLOA POLYSTACHYA* (HBK.) Hitchc. Poaceae.
283158. *OPIZIA STOLONIFERA* Presl Poaceae. **Acapulco grass.**  
 'Gram de Burro'. Along roadside.

**283159 to 283676.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received October 2, 1962.

Countries of original collection other than Australia are indicated.

283159. *ADESMIA SMITHIAE* DC. Fabaceae.  
 C.P.I. 25834. South America.
283160. *AESCHYNOMENE AMERICANA* L. Fabaceae.  
 C.P.I. 15287. Ceylon.
283161. *AGROPYRON CILIARE* (Trin. ex Link) Franch. Poaceae.  
 C.P.I. 22626. Japan.
283162. *AGROPYRON DESERTORUM* (Fisch.) Schult. **Standard wheatgrass.**  
 C.P.I. 23518. England.
- 283163 and 283164. *AGROPYRON ELONGATUM* (Host) Beauv. **Tall wheatgrass.**  
 283163. C.P.I. 23009. Portugal.  
 283164. C.P.I. 23101. China.
283165. *AGROPYRON MAYEBARANUM* Honda  
 C.P.I. 22627. Japan.
283166. *AGROPYRON OBTUSIUSCULUM* Lange  
 C.P.I. 22747. Germany.
- 283167 and 283168. *AGROPYRON PUNGENS* (Pers.) Roem. & Schult.  
 283167. C.P.I. 10430. Portugal.  
 283168. C.P.I. 22670. Belgium.
283169. *AGROPYRON RIGIDUM* (Schrad.) Beauv.  
 C.P.I. 22748. Germany.
283170. *AGROPYRON TSUKUSHIENSE* (Honda) Ohwi  
 C.P.I. 22628. Japan.

**283159 to 283676—Continued**

- 283171 and 283172. *AGROSTIS ALBA* L. Poaceae. Redtop.  
 283171. C.P.I. 21070. 'Levocsky'. Czechoslovakia.  
 283172. C.P.I. 21071. 'Roznovsky'. Czechoslovakia.
283173. *AGROSTIS CAPILLARIS* L. Rhode Island bentgrass.  
 C.P.I. 21072. Received as *A. vulgaris*, a synonym. Czechoslovakia.
283174. *AGROSTIS TRANSASPICA* Litv.  
 C.P.I. 24630. U.S.S.R.
283175. *ALOPECURUS DASYANTHUS* Trautv. Poaceae. Foxtail.  
 C.P.I. 23506. U.S.S.R.
283176. *ALOPECURUS PRATENSIS* L. Meadow foxtail.  
 C.P.I. 21073. 'Vetrovska'. Czechoslovakia.
283177. *ALYSICARPUS LONGIFOLIUS* (Rottl.) Wight & Arn. Fabaceae.  
 C.P.I. 16671. S. Rhodesia.
283178. *ALYSICARPUS RUGOSUS* (Willd.) DC.  
 C.P.I. 3769. India.
- 283179 to 283181. *ANDROPOGON DISTACHYON* L. Poaceae.  
 283179. C.P.I. 13800. Lebanon.  
 283180. C.P.I. 14777. Israel.  
 283181. C.P.I. 18824. Portugal.
283182. *ANTHYLLIS HAMOSA* Desf. Fabaceae.  
 C.P.I. 19694. Morocco.
283183. *ANTHYLLIS RUBICUNDA* Wender.  
 C.P.I. 22757. Germany.
283184. *ANTHYLLIS VULNERARIA* L. Kidneyvetch.  
 C.P.I. 19655. Portugal.
- 283185 to 283188. *ARRHENATHERUM ELATIUS* (L.) Presl. Poaceae.  
 Tall oatgrass.  
 283185 C.P.I. 2306. Received as *A. avenaceum*, a synonym. France.  
 283186. C.P.I. 21075. 'Roznovsky'. Czechoslovakia.  
 283187 C.P.I. 22217. Poland.  
 283188. C.P.I. 23011. Portugal.
283189. *ARRHENATHERUM ERIANTHUM* Boiss. & Reut. Oatgrass.  
 C.P.I. 7189. Holland.
283190. *BOTHRIOCHLOA INSCULPTA* (Hochst.) A. Camus Poaceae.  
 C.P.I. 15889. Tanganyika.
283191. *BOTHRIOCHLOA ISCHAEMUM* (L.) Keng King's Ranch bluestem.  
 C.P.I. 20999. Senegal.
- 283192 and 283193. *BRACHIARIA BRIZANTHA* (Hochst.) Stapf Poaceae.  
 Palisade signalgrass.  
 283192. C.P.I. 5632. Kenya.  
 283193. C.P.I. 20584. Ceylon.
283194. *BRACHYPODIUM PHOENICOIDES* (L.) Roem. & Schult. Poaceae.  
 C.P.I. 14397. Portugal.

## 283159 to 283676—Continued

283195. *BROMUS CARINATUS* Hook. & Arn. Poaceae.  
California brome-grass.  
C.P.I. 3455. Sweden.
283196. *BROMUS MOLLIS* L. Soft chessgrass.  
C.P.I. 14063. Italy.
- 283197 and 283198. *BROMUS POPOVII* Drobov
283197. C.P.I. 23993. U.S.S.R.
283198. C.P.I. 24193. U.S.S.R.
283199. *BROMUS MACROSTACHYS* Desf.  
C.P.I. 24169. U.S.S.R.
283200. *BROMUS TOMENTELLUS* Boiss.  
C.P.I. 23980. Italy.
283201. *BROMUS URUGUAYENSIS* Arech.  
C.P.I. 9711. Uruguay.
- 283202 to 283205. *BROMUS WILLDENOWII* Kunth Rescuegrass.  
Received as *B. catharticus*, a synonym.
283202. C.P.I. 7053. France.
283203. C.P.I. 9708. Uruguay.
283204. C.P.I. 22634. Japan.
283205. C.P.I. 25285. S. Africa.
- 283206 and 283207. *CALAMAGROSTIS ARUNDINACEA* (L.) Roth Poaceae.  
Reedgrass.
283206. C.P.I. 22219. Poland.
283207. C.P.I. 22295. U.S.S.R.
283208. *CHLORIS CARIBEA* Spreng. Poaceae.  
C.P.I. 21002. Received as *C. bahiensis*, a synonym. Senegal.
- 283209 to 283228. *CHLORIS GAYANA* Kunth Rhodesgrass.
283209. C.P.I. 13375. S. Rhodesia.
283210. C.P.I. 15371. Sudan.
283211. C.P.I. 15510. Sudan.
283212. C.P.I. 15692. Ethiopia.
283213. C.P.I. 15892. Tanganyika.
283214. C.P.I. 16043. Kenya.
283215. C.P.I. 16144. Sierra Leone.
283216. C.P.I. 16256. S. Africa.
283217. C.P.I. 16663. S. Rhodesia.
283218. C.P.I. 16710. S. Africa.
283219. C.P.I. 16711. S. Africa.
283220. C.P.I. 17753. Kenya.
283221. C.P.I. 17754. Kenya.
283222. C.P.I. 17755. Kenya.
283223. C.P.I. 17757. Kenya.



## 283159 to 283676—Continued

## 283209 to 283228—Continued

283224. C.P.I. 17759. Kenya.  
 283225. C.P.I. 17760. Kenya.  
 283226. C.P.I. 18021. S. Rhodesia.  
 283227. C.P.I. 18708. S. Rhodesia.  
 283228. C.P.I. 21003. Senegal.  
 283229. CHLORIS SUBMUTICA HBK.  
 C.P.I. 23585. Mexico.  
 283230. CHRYSOPOGON MONTANUS Trin. ex Spreng. Poaceae.  
 C.P.I. 13232. India.

## 283231 to 283237. CLITORIA TERNATEA L. Fabaceae.

283231. C.P.I. 15523. Sudan.  
 283232. C.P.I. 16170. Sierra Leone.  
 283233. C.P.I. 17228. Brazil.  
 283234. C.P.I. 20468. Trinidad.  
 283235. C.P.I. 20733. Kenya.  
 283236. C.P.I. 24194. Cuba.  
 283237. C.P.I. 24195. Cuba.

## 283238. GALEGA OFFICINALIS L. Fabaceae.

C.P.I. 24112. U.S.S.R.

## 283239. CORONILLA GLAUCA Jusl. Fabaceae.

Honey coronilla.

C.P.I. 9792. Portugal.

## 283240. CORONILLA PARVIFLORA Willd.

C.P.I. 23972. Received as *C. rostrata*, a synonym. Sweden.

## 283241 and 283242. DACTYLIS ASCHERSONIANA Graebn. Poaceae.

283241. C.P.I. 22573. Germany.

283242. C.P.I. 22751. Germany.

## 283243. DACTYLIS VORONOVII Ovcz.

C.P.I. 24171. U.S.S.R.

## 283244 to 283246. DESCHAMPSIA FLEXUOSA (L.) Trin. Poaceae.

283244. C.P.I. 21278. France.

283245. C.P.I. 22604. France.

283246. C.P.I. 21060. France.

## 283247. DESMANTHUS VIRGATUS (L.) Willd. Mimosaceae.

C.P.I. 19574. New Caledonia.

## 283248. DESMODIUM LANCEOLATUM Schindl. ex Gagnep. Fabaceae.

C.P.I. 21044. Vietnam.

## 283249. DICHANTHIUM ANNULATUM (Forsk.) Stapf Poaceae Palwan.

C.P.I. 18823. Received as *Andropogon annulatus*, a synonym. Portugal.

## 283250. DOLICHOS BAUMANNII Harms Fabaceae.

C.P.I. 24972. S. Rhodesia.

## 283159 to 283676—Continued

283251 to 283269. *EHRHARTA CALYCINA* J. E. Smith Poaceae.  
Perennial veldtgrass.

All from South Africa.

283251. C.P.I. 7763.	283261. C.P.I. 15977.
283252. C.P.I. 15965.	283262. C.P.I. 15978.
283253. C.P.I. 15967.	283263. C.P.I. 16270.
283254. C.P.I. 15968.	283264. C.P.I. 16271.
283255. C.P.I. 16277.	283265. C.P.I. 16281.
283256. C.P.I. 16278.	283266. C.P.I. 16282.
283257. C.P.I. 16279.	283267. C.P.I. 16283.
283258. C.P.I. 16280.	283268. C.P.I. 16288.
283259. C.P.I. 15971.	283269. C.P.I. 16292.
283260. C.P.I. 15074.	

283270. *ELYMUS CAPUT-MEDUSAE* L. Poaceae.

C.P.I. 20644. U.S.S.R.

283271. *ELYTRIGIA INTERMEDIA* (Host) Nevski Poaceae.

C.P.I. 24099. U.S.S.R.

283272. *ELYTRIGIA SCYTHICA* Nevski

C.P.I. 24101. U.S.S.R.

283273. *ERAGROSTIS FERRUGINEA* (Thunb.) Beauv. Poaceae.

C.P.I. 22640. Japan.

283274 and 283275. *FESTUCA AMPLA* Hack. Poaceae.

283274. C.P.I. 14405. Portugal.

283275. C.P.I. 18943. Portugal.

283276 to 283301. *FESTUCA ARUNDINACEA* Schreb.

Tall fescue.

283276. C.P.I. 1499. France.

283277. C.P.I. 10436. Portugal.

283278. C.P.I. 14801. Israel.

283279. C.P.I. 14802. Israel.

283280. C.P.I. 15569. Israel.

283281. C.P.I. 18763. 'Evergreen Tall'. England.

283282. C.P.I. 22093. Morocco.

283283. C.P.I. 22094. Morocco.

283284. C.P.I. 22179. 'Goar'. Sweden.

283285. C.P.I. 22227. Poland.

283286. C.P.I. 22284. France.

283287. C.P.I. 22398. Czechoslovakia.

283288. C.P.I. 22560. Holland.

283289. C.P.I. 22753. Germany.

283290. C.P.I. 23018. Portugal.

283291. C.P.I. 23019. Portugal.

283292. C.P.I. 23090. S-170. England.

283293. C.P.I. 23363. France.

## 283159 to 283676—Continued

## 283276 to 283301—Continued

283294. C.P.I. 23622. Germany.  
 283295. C.P.I. 23842. 'Early Fescue'. Scotland.  
 283296. C.P.I. 23964. Sweden.  
 283297. C.P.I. 23965. Sweden.  
 283298. C.P.I. 24233. Yugoslavia.  
 283299. C.P.I. 24356. Poland.  
 283300. C.P.I. 24357. 'Pulawska'. Poland.  
 283301. C.P.I. 25083. Tunisia.

283302. *FESTUCA CAERULESCENS* Desf.

C.P.I. 18959. Algeria.

283303. *FESTUCA CRETACEA* (Lavrenko) Czern. ex Krecz. & Bobrov

C.P.I. 22310. U.S.S.R.

283304 to 283310. *FESTUCA ELATIOR* L.

Meadow fescue.

Received as *F. pratensis*, a synonym.

283304. C.P.I. 5713. Denmark.  
 283305. C.P.I. 21843. S-215. England.  
 283306. C.P.I. 23091. England.  
 283307. C.P.I. 25015. U.S.S.R.  
 283308. C.P.I. 25016. U.S.S.R.  
 283309. C.P.I. 25017. U.S.S.R.  
 283310. C.P.I. 25020. U.S.S.R.

283311. *FESTUCA RUBRA* var. *PRUINOSA* (Hack.) Hawarth

C.P.I. 24358 Poland

283312 and 283313. *FESTUCA MAIREI* St.-Yves

283312. C.P.I. 23966. Sweden.  
 283313. C.P.I. 24269. France.

283314 to 283316. *FESTUCA ORIENTALIS* Kern. ex Hack.

283314. C.P.I. 22311. U.S.S.R.  
 283315. C.P.I. 24102. U.S.S.R.  
 283316. C.P.I. 24174. U.S.S.R.

283317. *FESTUCA PALLENS* Host

C.P.I. 22229. Poland.

283318. *FESTUCA PALLESCENS* (St.-Yves) Parodi

C.P.I. 22796. Argentina.

283319. *FESTUCA POLESICA* Zapal.

C.P.I. 22312. U.S.S.R.

283320. *FESTUCA PSAMMOPHILA* (Celak.) Domin

C.P.I. 22231. Poland.

283321. *FESTUCA PSEUDODALMATICA* Kraj.

C.P.I. 22399. Czechoslovakia.

283322. *FESTUCA RUBRA* L.

Red fescue.

C.P.I. 22132. 'Roskilde'. Denmark.



**283159 to 283676—Continued**

283323. *FESTUCA TRACHYPHYLLA* (Hackel) Kraj.  
C.P.I. 23968. Sweden.
283324. *FESTUCA UECHTRITZIANA* Wiesb.  
C.P.I. 24445. Czechoslovakia.
283325. *FESTUCA VARIA* Haenke  
C.P.I. 2387. U.S.S.R.
- 283326 to 283334. *GLYCINE MAX* (L.) Merrill Fabaceae. Soybean.
283326. C.P.I. 26374. China.
283327. C.P.I. 26476. 'Pingtung Pearl'. China.
283328. C.P.I. 26478. 'Sankuo'. China.
283329. C.P.I. 26479. 'Shihshih'. China.
283330. C.P.I. 26480. 'Taichung Green Bean'. China.
283331. C.P.I. 26669. No. 380. Morocco.
283332. C.P.I. 26670. C.N.S.-65F. Morocco.
283333. C.P.I. 26672. 'Cretin 133-2'. Morocco.
283334. C.P.I. 26675. 'Grignon'. Morocco.
- 283335 to 283347. *HEDYSARUM CORONARIUM* L. Fabaceae. Sulla.
283335. C.P.I. 12025. S. Africa.
283336. C.P.I. 16492. Italy.
283337. C.P.I. 16531. Portugal.
283338. C.P.I. 16532. Portugal.
283339. C.P.I. 19628. Sweden.
283340. C.P.I. 19696. Morocco.
283341. C.P.I. 19793. Spain.
283342. C.P.I. 19836. Italy.
283343. C.P.I. 19965. Italy.
283344. C.P.I. 20350. Tunisia.
283345. C.P.I. 20623. Italy.
283346. C.P.I. 20624. Italy.
283347. C.P.I. 21173. Spain.
- 283348 to 283373. *HORDEUM BULBOSUM* L. Poaceae. Bulbous barley.
283348. C.P.I. 12972. U.S.S.R.
283349. C.P.I. 14804. Israel.
283350. C.P.I. 14805. Israel.
283351. C.P.I. 14807. Palestine.
283352. C.P.I. 14808. Palestine.
283353. C.P.I. 14809. Palestine.
283354. C.P.I. 15012. Israel.
283355. C.P.I. 15302. Israel.
283356. C.P.I. 15303. Palestine.
283357. C.P.I. 15304. Palestine.
283358. C.P.I. 16925. Israel.
283359. C.P.I. 18736. England.

**283159 to 283676—Continued****283348 to 283373—Continued**

- 283360. C.P.I. 18966. Israel.
- 283361. C.P.I. 18967. Israel.
- 283362. C.P.I. 18968. Israel.
- 283363. C.P.I. 18973. Israel.
- 283364. C.P.I. 18974. Israel.
- 283365. C.P.I. 18975. Israel.
- 283366. C.P.I. 23526. Turkey via Israel.
- 283367. C.P.I. 23527. Italy via Israel.
- 283368. C.P.I. 23529. Turkey via Israel.
- 283369. C.P.I. 23530. Morocco via Israel.
- 283370. C.P.I. 23531. Israel.
- 283371. C.P.I. 23532. Israel.
- 283372. C.P.I. 23623. Bulgaria via Germany.
- 283373. C.P.I. 25758. S. America.

**283374 to 283378. HORDEUM CHILENSE Roem. & Schult.**

- 283374. C.P.I. 25499. Chile.
- 283375. C.P.I. 25500. Chile.
- 283376. C.P.I. 25759. S. America.
- 283377. C.P.I. 25760. S. America.
- 283378. C.P.I. 25761. S. America.

**283379. HORDEUM COMOSUM Presl**

- C.P.I. 25762. S. America.

**283380. HORDEUM COMPRESSUM Griseb.**

- C.P.I. 23045. S. Africa.

**283381. HORDEUM CRINITUM (Schreb.) Desf.**

- C.P.I. 20644. U.S.S.R.

**283382 to 283415. HORDEUM DISTICHON L.**

- 283382. C.P.I. 7573. U.S.A.
- 283383. C.P.I. 10027. 'Bethges III'. Germany.
- 283384. C.P.I. 13255. 'Dioszegi 625 Sorarpa'. Hungary.
- 283385. C.P.I. 13256. 'Hatvani Sorarpa'. Hungary.
- 283386. C.P.I. 13257. 'Peresztegi 3'. Hungary.
- 283387. C.P.I. 13258. 'Peresztegi 8'. Hungary.
- 283388. C.P.I. 13259. 'Takteharkangi Hanna'. Hungary.
- 283389. C.P.I. 13551. Norway.
- 283390. C.P.I. 18198. Hybrid P.I. 2862. Algeria.
- 283391. C.P.I. 18441. 'Summer Barley'. Hungary.
- 283392. C.P.I. 18442. 'Brewer's Barley'. Hungary.
- 283393. C.P.I. 18732. 'Proctor'. England.
- 283394. C.P.I. 18787. 'Orge 071'. Morocco.
- 283395. C.P.I. 18788. 'Orge 289'. Morocco.
- 283396. C.P.I. 19556. 'Herta'. Sweden.

**283159 to 283676—Continued****283382 to 283415—Continued**

283397. C.P.I. 20561. Armenia.  
 283398. C.P.I. 20829. Hungary.  
 283399. C.P.I. 20831. 'Fertodi P'. Hungary.  
 283400. C.P.I. 20832. 'Fertodi U'. Hungary.  
 283401. C.P.I. 20833. 'Hatvani 1108'. Hungary.  
 283402. C.P.I. 20834. 'Lovatzpatonai Universe'. Hungary.  
 283403. C.P.I. 20835. 'Martonvasari F.B. 100'. Hungary.  
 283404. C.P.I. 20836. 'Martonvasari F.B. 102'. Hungary.  
 283405. C.P.I. 20837. 'Martonvasari F.B. 104'. Hungary.  
 283406. C.P.I. 20839. 'Mesterhazi' Hungary.  
 283407. C.P.I. 20841. 'Perezstegi'. Hungary.  
 283408. C.P.I. 22814. U.S.S.R. via Czechoslovakia.  
 283409. C.P.I. 22816. U.S.S.R. via Czechoslovakia.  
 283410. C.P.I. 22817. U.S.S.R. via Czechoslovakia.  
 283411. C.P.I. 22818. U.S.S.R. via Czechoslovakia.  
 283412. C.P.I. 22819. 0-20-246. Czechoslovakia.  
 283413. C.P.I. 22821. 0-20-955. Czechoslovakia.  
 283414. C.P.I. 22822. 0-21-022. Czechoslovakia.  
 283415. C.P.I. 22823. 0-21-026. Czechoslovakia.  
 283416. *HORDEUM DISTICHON* var. *NUDUM* L.  
 C.P.I. 22820. 0-20-309. Czechoslovakia.  
 283417. *HORDEUM IRREGULARE* Aberg & Wiebe  
 C.P.I. 19621. Sweden.  
 283418. *HORDEUM MARINUM* Huds.  
 C.P.I. 16926. Received as *H. maritimum*, a synonym. Israel.  
 283419. *HORDEUM NODOSUM* L. Meadow barley.  
 C.P.I. 13469. Sweden.  
 283420 and 283421. *HORDEUM POLYSTICHON* Haller  
 283420. C.P.I. 26739. Yugoslavia.  
 283421. C.P.I. 26741. Yugoslavia.  
 283422 and 283423. *HORDEUM SPONTANEUM* K. Koch  
 283422. C.P.I. 19624. Sweden.  
 283423. C.P.I. 24636. U.S.S.R.  
 283424. *HORDEUM STENOSTACHYS* Godr.  
 C.P.I. 25763. S. America.  
 283425 to 283468. *HORDEUM VULGARE* L.  
 283425. C.P.I. 9779. Portugal.  
 283426. C.P.I. 11083. U.S.S.R.  
 283427. C.P.I. 13180. 'Carlsberg'. Denmark.  
 283428. C.P.I. 13181. 'Freja'. Denmark.  
 283329. C.P.I. 13182. 'Maja'. Denmark.  
 283430. C.P.I. 13183. 'Riegel'. Denmark.



## 283159 to 283676—Continued

## 283425 to 283468—Continued

- 283431. C.P.I. 13184. 'Ymer'. Denmark.
- 283432. C.P.I. 13254. 'Bankuti Korai'. Hungary.
- 283433. C.P.I. 13852. 'Beladi'. Cyprus.
- 283434. C.P.I. 13853. 'Paphitico'. Cyprus.
- 283435. C.P.I. 13957. 'Rabat'. Morocco.
- 283436. C.P.I. 13958. 'Merzaga'. Morocco.
- 283437. C.P.I. 13959. 'Tripoli'. Morocco.
- 283438. C.P.I. 13960. 'Precoce du Maroc'. Morocco.
- 283439. C.P.I. 14139. Italy.
- 283440. C.P.I. 15699. Ethiopia.
- 283441. C.P.I. 15700. Ethiopia.
- 283442. C.P.I. 15701. Ethiopia.
- 283443. C.P.I. 15842. Ethiopia.
- 283444. C.P.I. 15843. Ethiopia.
- 283445. C.P.I. 16026. Belgium.
- 283446. C.P.I. 16222. 'Cyprus Black'. Cyprus.
- 283447. C.P.I. 16223. 'Paphitico'. Cyprus.
- 283448. C.P.I. 17239. Baluchistan.
- 283449. C.P.I. 18197. 1542. Algeria.
- 283450. C.P.I. 18199. 'Mahouma 3445'. Algeria.
- 283451. C.P.I. 18732. 'Proctor'. England.
- 283452. C.P.I. 18784. 'Orge 071'. Morocco.
- 283453. C.P.I. 18785. 'Orge 077'. Morocco.
- 283454. C.P.I. 18786. 'Orge 89'. Morocco.
- 283455. C.P.I. 18789. 'Orge 618'. Morocco.
- 283456. C.P.I. 18790. 'Orge 628'. Morocco.
- 283457. C.P.I. 19556. 'Herta'. Sweden.
- 283458. C.P.I. 19557. 'Rika'. Sweden.
- 283459. C.P.I. 19558. 'Stallar II'. Sweden.
- 283460. C.P.I. 20829. 'Bankuti Korai Takarp'. Hungary.
- 283462. C.P.I. 20831. 'Fertodi P'. Hungary.
- 283462. C.I.P. 20831. 'Fertodi P'. Hungary.
- 283463. C.I.P. 20835. 'Martonvasari FB.100'. Hungary.
- 283464. C.P.I. 20838. 'Korai Tak Arpa'. Hungary.
- 283465. C.P.I. 20839. 'Mesterhazi'. Hungary.
- 283466. C.P.I. 20840. 'Mesohegyesi 68'. Hungary.
- 283467. C.P.I. 20842. 'Szekacs 31'. Hungary.
- 283468. C.P.I. 22824. 0-20-538. Czechoslovakia.
- 283469 to 283473. HOSAKIA SUBPINNATA G. Don Fabaceae.
- 283469. C.P.I. 25559. Chile.
- 283470. C.P.I. 25566. Chile.
- 283471. C.P.I. 25846. S. America.

## 283159 to 283676—Continued

## 283469 to 283473—Continued

283472. C.P.I. 25848. S. America.

283473. C.P.I. 25849. S. America.

283474. INDIGOFERA DIMORPHOPHYLLA Schinz Fabaceae.  
C.P.I. 18663. Hawaii.

283475 and 283476. INDIGOFERA SUBULATA Vahl ex Poir.

Indigo.

283475. C.P.I. 20740. Kenya.

283476. C.P.I. 24205. Cuba.

283477. INDIGOFERA SUMATRANA Gaertn.

Indigo.

C.P.I. 24207. Cuba.

283478. IXOPHORUS UNISSETUS (Presl) Schlecht. Poaceae.

C.P.I. 21357. Central America.

283479. LATHYRUS ANGULATUS L. Fabaceae.

C.P.I. 13575. Portugal.

283480 to 283485. LATHYRUS APHACA L.

283480. C.P.I. 10001. Cyprus.

283481. C.P.I. 13731. India.

283482. C.P.I. 13904. Cyprus.

283483. C.P.I. 14188. Greece.

283484. C.P.I. 14855. Israel.

283485. C.P.I. 15095. Turkey.

283486 to 283496. LATHYRUS ARTICULATUS L.

283486. C.P.I. 13577. Portugal.

283487. C.P.I. 16534. Portugal.

283488. C.P.I. 16535. Portugal.

283489. C.P.I. 16536. Portugal.

283490. C.P.I. 16537. Portugal.

283491. C.P.I. 16538. Portugal.

283492. C.P.I. 16539. Portugal.

283493. C.P.I. 16540. Portugal.

283494. C.P.I. 16541. Portugal.

283495. C.P.I. 16542. Portugal.

283496. C.P.I. 18267. England.

283497 to 283514. LATHYRUS CICERA L.

Flatpod peavine.

283497. C.P.I. 13163. Portugal.

283498. C.P.I. 13428. Greece.

283499. C.P.I. 13556. Norway.

283500. C.P.I. 14295. Greece.

283501. C.P.I. 14296. Greece.

283502. C.P.I. 14297. Greece.

283503. C.P.I. 16542. Portugal.

283504. C.P.I. 16543. Portugal.

283505. C.P.I. 16556. Portugal.

**283159 to 283676—Continued****283497 to 283514—Continued**

- 283506. C.P.I. 20471. Cyprus.
- 283507. C.P.I. 20472. Cyprus.
- 283508. C.P.I. 20473. Cyprus.
- 283509. C.P.I. 20474. Cyprus.
- 283510. C.P.I. 20475. Cyprus.
- 283511. C.P.I. 20476. Cyprus.
- 283512. C.P.I. 20480. Cyprus.
- 283513. C.P.I. 20485. Cyprus.
- 283514. C.P.I. 20787. Greece.

**283515 to 283519. LATHYRUS CLYMENUM L.**

- 283515. C.P.I. 13164. Portugal.
- 283516. C.P.I. 13165. Portugal.
- 283517. C.P.I. 13578. Portugal.
- 283518. C.P.I. 16544. Portugal.
- 283519. C.P.I. 20477. Cyprus.

**283520 and 283521. LATHYRUS HIRSUTUS L.**

- 283520. C.P.I. 13579 Portugal.
- 283521. C.P.I. 25090. Tunisia.

**283522. LATHYRUS NISSOLIA L.**

- C.P.I. 13581. Portugal.

**283523 to 283545. LATHYRUS OCHRUS (L.) DC.**

- 283523. C.P.I. 9124. Palestine.
- 283524. C.P.I. 12410. Portugal.
- 283525. C.P.I. 13702. 'Louvana'. Cyprus.
- 283526. C.P.I. 13732. India.
- 283527. C.P.I. 13864. 'Louvana'. Cyprus.
- 283528. C.P.I. 13976. Morocco.
- 283529. C.P.I. 14522. Tunisia.
- 283530. C.P.I. 14972. 'Louvana'. Israel.
- 283531. C.P.I. 16229. Cyprus.
- 283532. C.P.I. 16545. Portugal.
- 283533. C.P.I. 16546. Portugal.
- 283534. C.P.I. 16547. Portugal.
- 283535. C.P.I. 16548. Portugal.
- 283536. C.P.I. 16949. Portugal.
- 283537. C.P.I. 16550. Portugal.
- 283538. C.P.I. 16551. Portugal.
- 283539. C.P.I. 18277. England.
- 283540. C.P.I. 20478. Cyprus.
- 283541. C.P.I. 23288. Hungary.
- 283542. C.P.I. 20479. Cyprus.
- 283543. C.P.I. 20481. Cyprus.



**283159 to 283676—Continued****283523 to 283545—Continued**

283544. C.P.I. 20482. Cyprus.

283545. C.P.I. 20483. Cyprus.

**283546 to 283599. LATHYRUS SATIVUS L.****Grass peavine.**

283546. C.P.I. 9512. Egypt.

283547. C.P.I. 9668. France.

283548. C.P.I. 9997. 'Favetta'. Cyprus.

283549. C.P.I. 10316. Czechoslovakia.

283550. C.P.I. 10724. U.S.S.R.

283551. C.P.I. 10725. U.S.S.R.

283552. C.P.I. 10726. U.S.S.R.

283553. C.P.I. 10780. Italy via U.S.S.R.

283554. C.P.I. 10781. Spain via U.S.S.R.

283555. C.P.I. 10782. Cyprus via U.S.S.R.

283556. C.P.I. 10785. U.S.S.R.

283557. C.P.I. 10786. U.S.S.R.

283558. C.P.I. 11032. Canada.

283559. C.P.I. 12411. Portugal.

283560. C.P.I. 13977. Morocco.

283561. C.P.I. 14162. Greece.

283562. C.P.I. 14630. India.

283563. C.P.I. 15232. Spain.

283564. C.P.I. 15438. Sudan.

283565. C.P.I. 15801. Morocco.

283566. C.P.I. 15802. Morocco.

283567. C.P.I. 16230. Cyprus.

283568. C.P.I. 18447. Hungary.

283569. C.P.I. 18401. Libya.

283570. C.P.I. 18282. 'Egypt'. Algeria.

283571. C.P.I. 20484. Cyprus.

283572. C.P.I. 20486. Cyprus.

283573. C.P.I. 20487. Cyprus.

283574. C.P.I. 20488. Cyprus.

283575. C.P.I. 20489. Cyprus.

283576. C.P.I. 20490. Cyprus.

283577. C.P.I. 20491. Cyprus.

283578. C.P.I. 20492. Cyprus.

283579. C.P.I. 20493. Cyprus.

283580. C.P.I. 20494. Cyprus.

283581. C.P.I. 20495. Cyprus.

283582. C.P.I. 21949. Italy.

283583. C.P.I. 21950. Italy.

283584. C.P.I. 21951. Italy.

**283159 to 283676—Continued****283546 to 283599—Continued**

- 283585. C.P.I. 21952. Italy.
- 283586. C.P.I. 22830. Czechoslovakia.
- 283587. C.P.I. 22832. Czechoslovakia.
- 283588. C.P.I. 22833. Czechoslovakia.
- 283589. C.P.I. 22834. Czechoslovakia.
- 283590. C.P.I. 22835. Czechoslovakia.
- 283591. C.P.I. 22836. Czechoslovakia.
- 283592. C.P.I. 22837. Czechoslovakia.
- 283593. C.P.I. 22838. Czechoslovakia.
- 283594. C.P.I. 24370. Poland.
- 283595. C.P.I. 24371. Poland.
- 283596. C.P.I. 24772. Afghanistan.
- 283597. C.P.I. 25091. Tunisia.
- 283598. C.P.I. 25092. Tunisia.
- 283599. C.P.I. 25093. Tunisia.

**283600 to 283603. LATHYRUS TINGITANUS L.**

- 283600. C.P.I. 10463. Portugal.
- 283601. C.P.I. 10898. Bulgaria.
- 283602. C.P.I. 16555. Portugal.
- 283603. C.P.I. 20496. Cyprus.

**283604 to 283608. LENS CULINARIS Medic. Fabaceae.****Lentil.**Received as *L. esculenta*, a synonym.

- 283604. C.P.I. 14428. Portugal.
- 283605. C.P.I. 20788. Greece.
- 283606. C.P.I. 20789. Red cotyledons. Greece.
- 283607. C.P.I. 20790. Greece.
- 283608. C.P.I. 20791. Greece.

**283609 and 283610. LOLIUM MULTIFLORUM Lam. Poaceae.****Italian ryegrass.**

- 283609. C.P.I. 26064. Sweden.
- 283610. C.P.I. 26066. Sweden.

**283611 to 283613. LOLIUM REMOTUM Schrank**

- 283611. C.P.I. 6094. France.
- 283612. C.P.I. 6862. U.S.S.R.
- 283613. C.P.I. 9537. Sweden.

**283614. LOLIUM PERENNE L.**C.P.I. 24359. Poland. Received as *L. oldenburgicum*.**283615. LOTUS HISPIDUS Desf. Fabaceae.**

C.P.I. 23289. Hungary.

**283616. LOTUS CONIMBRICENSIS Brot.**

C.P.I. 22202. Sweden.

**283617. LOTUS CONJUGATUS L.**

C.P.I. 23290. Hungary.

**283159 to 283676—Continued**

- 283618 to 283625. *LOTUS CORNICULATUS* L. **Birdsfoot trefoil.**  
 283618. C.P.I. 14089. Italy.  
 283619. C.P.I. 22785. Czechoslovakia.  
 283620. C.P.I. 23036. Portugal.  
 283621. C.P.I. 23292. Hungary.  
 283622. C.P.I. 23293. Hungary.  
 283623. C.P.I. 23786. Turkey.  
 283624. C.P.I. 23974. Sweden.  
 283625. C.P.I. 24449. Czechoslovakia.
283626. *LOTUS CYTISOIDES* L.  
 C.P.I. 24386. France.
283627. *LOTUS EDULIS* L.  
 C.P.I. 13147. Tunisia.
- 283628 and 283629. *LOTUS MAROCCANUS* Ball  
 283628. C.P.I. 22801. Morocco.  
 283629. C.P.I. 23601. Canary Islands.
283630. *LOTUS HISPIDUS* Desf.  
 C.P.I. 23294. Hungary.
- 283631 and 283632. *LOTUS TENUIS* Waldst. & Kit. ex Willd.  
 283631. C.P.I. 23787. Turkey.  
 283632. C.P.I. 23788. Turkey.
- 283633 to 283638. *LUPINUS ANGUSTIFOLIUS* L.  
 283633. C.P.I. 10044. Germany.  
 283634. C.P.I. 10047. Germany.  
 283635. C.P.I. 10348. Bulgaria.  
 283636. C.P.I. 16361. S. Africa.  
 283637. C.P.I. 16582. Portugal.  
 283638. C.P.I. 22847. Czechoslovakia.
283639. *MEDICAGO ARABICA* (L.) All. Fabaceae. **Spotted burclover.**  
 C.P.I. 12122. 'Manganese'. U.S.S.R.
283640. *MEDICAGO COERULEA* Ledeb.  
 C.P.I. 22324. U.S.S.R.
- 283641 to 283647. *MEDICAGO ORBICULARIS* (L.) All. **Buttonclover.**  
 283641. C.P.I. 13810. Lebanon.  
 283642. C.P.I. 13811. Lebanon.  
 283643. C.P.I. 14094. Italy.  
 283644. C.P.I. 14530. Tunisia.  
 283645. C.P.I. 14724. Morocco.  
 283646. C.P.I. 14725. Morocco.  
 283647. C.P.I. 14880. Israel
- 283648 to 283657. *MEDICAGO POLYMORPHA* var. *VULGARIS* (Benth.) Shinners. **California burclover.**  
 283648. C.P.I. 14869. Israel.



**283159 to 283676—Continued****283648 to 283657—Continued**

- 283649. C.P.I. 14872. Israel.
- 283650. C.P.I. 19887. Spain.
- 283651. C.P.I. 13919. Cyprus.
- 283652. C.P.I. 13940. Cyprus.
- 283653. C.P.I. 14869. Israel.
- 283654. C.P.I. 14876. Israel.
- 283655. C.P.I. 14877. Israel.
- 283656. C.P.I. 15324. Israel.
- 283657. C.P.I. 26117. Sweden.

283658. *MEDICAGO SATIVA* var. *GLUTINOSA* (Bieb.) Urban

C.P.I. 22325. U.S.S.R.

283659. *MEDICAGO SCUTELLATA* (L.) Mill.

Snail medic.

C.P.I. 13910. Cyprus.

283660. *MEDICAGO TIANSHANICA* Vassilcz.

C.P.I. 22326. U.S.S.R.

283661 and 283662. *MEDICAGO TRIBULOIDES* Desr.

Barrel medic.

283661. C.P.I. 13912. Annual. Cyprus.

283662. C.P.I. 14095. Italy.

283663. *MELILOTUS WOLGICA* Poir. Fabaceae.

C.P.I. 21111. Czechoslovakia.

283664. *ONOBRYCHIS SAXATILIS* (L.) Lam. Fabaceae.

C.P.I. 23318. Hungary.

283665. *ONOBRYCHIS SCHUGNANICA* Fedtsch.

C.P.I. 21128. U.S.S.R.

283666 and 283667. *ONOBRYCHIS TRANSCAUCASICA* Grossh.

283666. C.P.I. 20662. U.S.S.R.

283667. C.P.I. 22329. U.S.S.R.

283668 to 283675. *ONOBRYCHIS VICHIFOLIA* Scop.

Sainfoin.

283668. C.P.I. 14658. Algeria.

283669. C.P.I. 18762. 'Cotswold Common'. England.

283670. C.P.I. 18792. Spain.

283671. C.P.I. 18793. Spain.

283672. C.P.I. 18794. Spain.

283673. C.P.I. 18797. France.

283674. C.P.I. 23315. Hungary.

283675. C.P.I. 23317. Hungary.

283676. *ONOBRYCHIS TANAITICA* Sprengel

C.P.I. 22330. U.S.S.R.

283677. *PRUNUS AMYGDALUS* Batsch Amygdalaceae. Almond.

From Iran. Seeds presented by the Rural Development Division, United States Agency for International Development, Iran, Tehran. Received October 3, 1962.

Growing near Shiraz, Fars Ostan. Produces flowers in several flushes.

**283678 to 283688. ORYZA SATIVA L. Poaceae. Rice.**

From Pakistan. Seeds presented by the Economic Botanist (Cereals), Dacca-5. Received October 5, 1962.

- 283678. 'Dacca-31'.
- 283679. 'Daharial' (AUS).
- 283680. 'Dular' (AUS).
- 283681. 'Hashikalmi' (AUS).
- 283682. 'Kataktara' (AUS).
- 283683. K-P-F-6 (AUS).
- 283684. 'Latisail' (T. Aman).
- 283685. 'Marich Bati' (AUS).
- 283686. 'Panbira' (AUS).
- 283687. 'Patnai-23' (T. Aman).
- 283688. 'Tilokkachari' (T. Aman).

**283689. COTONEASTER sp. Malaceae.**

From India. Seeds presented by the United States Embassy, New Delhi. Received October 5, 1962.

Collected at Chakrata, Dehra Dun District, Uttar Pradesh. Plants reportedly trailing.

**283690 to 283692.**

From Indonesia. Seedlings and grafts presented by the Lembaga Hortus Botanicus Bogoriensis, Bogor, Java. Received October 5, 1962.

- 283690. BOUEA GANDARIA Blume Anacardiaceae.
- 283691. LANSIUM DOMESTICUM Jack Miliaceae. **Langsat.**
- 283692. NEPHELIUM LAPPACEUM L. Sapindaceae. **Rambutan.**

'Bindjai'.

**283693 and 283694. FRAGARIA CHILOENSIS (L.) Duchesne Rosa-ceae. Chiloe strawberry.**

From Germany. Plants presented by the Max Planck Institut fur Zuchtungs-forschung, Koln-Vogelsang. Received October 12, 1962.

- 283693. 57-14219.
- 283694. 45-45.

**283695. GOSSYPIUM HIRSUTUM L. Malvaceae. Upland cotton.**

From Greece. Seeds presented by the Cotton Research Institute, Sindos. Received October 15, 1962.

'Acala 2'.

**283696. ORYZA SATIVA L. Poaceae. Rice.**

From the Philippines. Seeds presented by the Maligaya Experiment Station, Munoz, Nueva Ecija. Received October 15, 1962.

'Milagrosa'.

**283697. LEUCAENA LEUCOCEPHALA (Lam.) de Wit. Mimosaceae. Leadtree.**

From New Caledonia. Seeds presented by the Service de l'Agriculture, Nou-mea. Received October 15, 1962.

Received as *L. glauca*, a synonym.

**283698. MALUS SYLVESTRIS Mill. Malaceae.**

From the United States. Sport presented by Haig Dermen, Beltsville, Md. Numbered October 15, 1962.

'Imperial Stayman'. Sport of 'Blaxtayman No. 201'.

**283699. POLYGONATUM sp. Convallariaceae.**

From Japan. Rhizomes presented by Torazo Onoda, Matsugasaki, Kyoto. Received October 16, 1962.

**283700 to 283728.**

From the United States. Seeds collected by H. S. Gentry, plant explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Numbered October 16, 1962. Collected in California unless otherwise noted.

**283700. LESQUERELLA FENDLERI Wats. Brassicaceae.**

Col. No. 19231. Sandy hilltop with *Larrea* and mesquite scrub, along Rt. 302, 4.5 miles northeast of Menton, Loving County, Texas.

**283701. LIMNANTHES ALBA Benth. Limnanthaceae.**

Col. No. 19718. Sandy-loam barley field along Rt. 99E, 6.5 miles south-east of Wheatland, Yuba County. Elevation 65 feet.

**283702 to 283704. LIMNANTHES ALBA Benth. var ALBA.**

**283702.** Col. No. 19717. Along Rt. 99E, 18 miles southeast of Chico, Butte County.

**283703.** Col. No. 19719. Oatfield swale, 0.8 mile north of freeway on Spruce Ave., east side, Antelope, Sacramento County. Elevation 100 feet.

**283704.** Col. No. 19720. Oatfield along Rt. 16, 8 miles east of Perkins, Sacramento County. Elevation 75 feet.

**283705. LIMNANTHES ALBA var. VERSICOLOR (Greene) C. T. Mason**

Col. No. 19693. Arroyo gravel, along Rt. 299, 2 miles east of Rt. 99, near Redding. Elevation 700 feet.

**283706 and 283707. LIMNANTHES BAKERI Howell**

**283706.** Col. No. 19705. Wet meadow, east side of Hwy. 101, 1 mile north of Willits, Mendocino County.

**283707.** Col. No. 19733. By barns, meadow waterway, 1 mile east of Willits, Mendocino County. Elevation 1,300 feet.

**283708 and 283709. LIMNANTHES DOUGLASII R. Br. var. DOUGLASII**

**283708.** Col. No. 19715. Black clay soil, along railroad and Rt. 234 and under Rt. 99, between Winchester and Wilbur Douglas County, Ore.

**283709.** Col. No. 19735. Bottomland clay soil, meadow by lake, Nicasio, Marin County. Elevation 250 feet.

**283710 to 283714. LIMNANTHES DOUGLASII var. NIVEA C. T. Mason**

**283710.** Col. No. 19701. South side of tree-lined farm road, 0.9 mile west of Oakville, road to Hwy. 12, Sonoma County.

**283711.** Col. No. 19703. Silty loam bottomland, along Rt. 128, 3 miles north of Calistoga, Napa County. Elevation 200 feet.

**283712.** Col. No. 19707. Along Rt. 20, 1 mile west of Nice, Lake County. Elevation 1,350 feet.

**283713.** Col. No. 19734. Fallow field with sparse stubble, silt loam; 1 mile east and 0.5 mile north of Willits, Mendocino County. Elevation 1,300 feet.



**283700 to 283728—Continued****283710 to 283714—Continued**

**283714.** Col. No. 19736. Moist lowland in fallow field 3 miles southeast of Calistoga, Napa County. Elevation 300 feet.

**283715 to 283717. LIMNANTHES DOUGLASHII** var. *ROSEA* C. T. Mason

**283715.** Col. No. 19685. Pasture fence corner, meandering wash, 3 miles north of Snelling, Merced County. Dense colony.

**283716.** Col. No. 19691. Clay soil, vernal pasture pool, along Rt. 90E, 10 miles north of Chico, Mesa County.

**283717.** Col. No. 19709. Volcanic soil 8 miles west of Red Bluff, Tehama County. Elevation 650 feet.

**283718. LIMNANTHES DOUGLASHII** R. Br. var. *DOUGLASHII*

Col. No. 19699. Six miles southwest of road fork, Pt. Reyes peninsula, Marin County. Elevation 250 feet.

**283719. LIMNANTHES FLOCCOSA** Howell

Col. No. 19694. Open pine and oak on sandstone, along Rt. 299, 5 miles east of Bella Vista, Shasta County.

**283720. LIMNANTHES FLOCCOSA** var. *BELLINGERIANA* (M. E. Peck) C. T. Mason

Col. No. 19712. Along Rt. 66 between Mt. View and Lincoln, 1.3 miles west of Pinehurst, Jackson County, Ore.

**283721. LIMNANTHES FLOCCOSA** var. *PUMILA* (Howell) C. T. Mason.

Col. No. 19716. Lava mesa, top of Lower Table Rock, Jackson County, Ore. Elevation 2,250 feet.

**283722. LIMNANTHES GRACILIS** Howell

Col. No. 19714. Gravely loam grainfield behind house 1.1 miles north of Kirby, Josephine County, Ore.

**283723. LIMNANTHES GRACILIS** Howell var. *GRACILIS*

Col. No. 19754. Kirby, Josephine County, Ore. Elevation 1,400 feet.

**283724. LIMNANTHES GRACILIS** var. *PARISHII* (Jepson) C. T. Mason

Col. No. 19737. Moist meadowland north end of Cayamach Lake, San Diego County.

**283725 and 283726. LIMNANTHES MONTANA** Jepson

**283725.** Col. No. 19728. Moist granitic northern slope, along Rt. 140, 6.5 miles west of Mariposa, Mariposa County.

**283726.** Col. No. 19789. Six miles northwest of Ahwahnee, Mariposa County.

**283727 and 283728. LIMNANTHES STRIATA** Jepson

**283727.** Col. No. 19686. Along creek 5 miles north of La Grange, Tuolumne County.

**283728.** Col. No. 19729. Dry stream bank, junction of Rts. 49 and 108, 7 miles southwest of Sonora, Tuolumne County.

**283729. VERNONIA ANTHELMINTICA** (L.) Willd. Asteraceae.

**Kinkaoil ironweed.**

From Pakistan. Seeds purchased in various shops around Rawalpindi and presented by Gordon College. Numbered October 16, 1962.

**283730. VERNONIA ANTHELMINTICA** (L.) Willd. Asteraceae.

**Kinkaoil ironweed.**

From India. Seeds purchased from Herbst Brothers, N.Y. Numbered October 16, 1962.

**283731 to 283794. CARTHAMUS TINCTORIUS L. Asteraceae.****Safflower.**

From India. Seeds presented by the Agricultural Research Institute, Rajendranagar, Hyderabad (Deccan), through the University of California, Davis, Calif. Received October 17, 1962.

283731. OT-449.	283763. T.M. 9.
283732. OT-451.	283764. T.M. 10.
283733. OT-454.	283765. T.M. 11.
283734. OT-455.	283766. T.M. 12.
283735. Pr. I-494.	283767. T.M. 13.
283736. Pr. I-495.	283768. T.M. 14.
283737. Pr. II-457.	283769. T.M. 15.
283738. Pr. II-459.	283770. T.M. 16.
283739. Pr. II-460.	283771. T.M. 17.
283740. Pr. II-463.	283772. T.M. 18.
283741. Pr. II-466.	283773. T.M. 19.
283742. Pr. II-467.	283774. T.M. 20.
283743. Pr. II-469.	283775. T.M. 21.
283744. Pr. II-472.	283776. T.M. 22.
283745. Pr. II-473.	283777. T.M. 23.
283746. Pr. II-474.	283778. T.M. 24.
283747. Pr. II-475.	283779. T.M. 25.
283748. Pr. II-481.	283780. T.M. 26.
283749. PYT. I-431.	283781. T.M. 27.
283750. PYT. I-433.	283782. T.M. 28.
283751. PYT. II-438.	283783. T.M. 29.
283752. PYT. II-439.	283784. T.M. 30.
283753. PYT. II-442.	283785. T.M. 32.
283754. SF. 379. Coimbatore.	283786. T.M. 54.
283755. T.M. 1.	283787. T.M. 55.
283756. T.M. 2.	283788. T.M. 56.
283757. T.M. 3.	283789. T.M. 57.
283758. T.M. 4.	283790. T.M. 58.
283759. T.M. 5.	283791. T.M. 59.
283760. T.M. 6.	283792. T.M. 60.
283761. T.M. 7.	283793. T.M. 61.
283762. T.M. 8.	283794. T.M. 62.

**283795 to 283891.**

From New Zealand. Seeds presented by the Department of Scientific and Industrial Research, Christchurch. Received October 18, 1962.

All are "S" collection numbers, unless otherwise indicated.

**283795 to 283881. TRITICUM AESTIVUM L. Poaceae. Common wheat.**

Originally from Afghanistan.

283795. E-707. 'Afghanistan 6'.

283796. 2410. Winter wheat 12718.

**283795 to 283891—Continued****283795 to 283881—Continued**

283797. 2411. Winter wheat 12733.  
283798. 2413. Spring wheat 12698.  
283799. 2422. 'Erythrospermum 12437'.  
283800. 2423. 'Lutescens 12681'.  
283801. 2424. 'Meridionale 12874'.  
283802. 2425. 'Pseudo-turcicum 12765'.

Originally from Argentina.

283803. 1349. 'Favorito'  $\times$  38-11-2.  
283804. 1351. 38  $\times$  'San Martin  $\times$  137'.  
283805. 1352. 38  $\times$  'San Martin-77-0-' (11,13).  
283806. 1353. 'Vencedor'  $\times$  'Lin Calel-2-1'.  
283807. 1354. 'Vencedor'  $\times$  'Kanred-60-4'.  
283808. 1355. 38  $\times$  'Ardito-21-0-' (1,2).  
283809. 1357. 'Kanred'  $\times$  'Pagador-26-4'.

Originally from Australia.

283810. E-852. 'Australian Poulard'.  
283811. 1139. 'American 8'.  
283812. 1141. 'Aust. Talavera'.  
283813. 1145. 'Bearded Gluyas'.  
283814. 1146. 'Binya'.  
283815. 1150. 'Boonoo'.  
283816. 1151. 'Bredbo'.  
283817. 1157. 'Canunbla'.  
283818. 1158. 'Cargo'.  
283819. 1167. 'Genoa'.  
283820. 1177. 'Fife'.  
283821. 1182. 'King's Red'.  
283822. 1183. 'King's White'.  
283823. 1185. 'Majestic'.  
283824. 1189. 'Nizam'.  
283825. 1196. 'Roseworthy'.  
283826. 1203. 'Turvey'.  
283827. 1211. 'Zealand'.  
283828. 1218. 'Nawaba'.  
283829. 2226. 'Fedweb 3'.  
283830. 2227. 'Webster'  $\times$  'Federation'.  
283831. 2231. 'Hofed 1'.  
283832. 2232. 'Hofed 2'.  
283833. 2233. 'Hofed 10'.  
283834. 2234. 'Hofed 11'.  
283835. 2235. 'Euston'  $\times$  'Hope'.  
283836. 2236. 'Dan'  $\times$  'Hope'.



**283795 to 283891—Continued****283795 to 283881—Continued**

283837. 2237. 'Canberra' × 'Thew'.  
283838. 2239. 'Canko 1'.  
283839. 2240. 'Garra' × 'Khapli'.  
283840. 2248. 'Kenya' C. 9906.  
283841. 2373. 'Pusa 113' C. 5271.  
283842. 2379. 'Hume' C. 5838.  
283843. 2380. 'Charity' C. 6174.  
283844. 2384. 'Cailloux' C. 8810.  
283845. 2541. 'Dan'.  
283846. 2628. 'Warigo'.  
283847. 2751. 'Clarendon-Hope Dd' × 'Nabawa'.  
283848. 2752. 'Ideal' × 'Kenya-Baringa'.  
283849. 2760. 'Winter Minflor'.  
283850. 2761. 'Kenya-Puss 4-Nabawa-Ghurka' × 'Early Blackhull'.  
283851. 2763. 'Marquillo-Waratah' × 'Baringa'.  
283852. 2836. 'Sherpa'.

Originally from China.

283853. E-672. 'China 34'.

Originally from India.

283854. E-708. 'Indore E 2'.  
283855. E-725. 'Narsingarh N121'.  
283856. E-730. 'Dhar 1'.  
283857. E×732. 'Orcha 01 Bulk'.  
283858. 2281. 'Narsingarh N35'.  
283859. 2284. 'Rewa R3'.  
283860. 2303. 'Bijawar B4'.  
283861. 2304. 'Zonk 1'.

Originally from New Zealand.

283862. 1223. 'College Hunters'.  
283863. 1224. 'College Hunters', Bell's Seln.  
283864. 1227. 'Velvet'.  
283865. 1228. 'Solid-Straw Velvet'.  
283866. 1231. 'Sensation'.  
283867. 1234. 'Goldberry No. 32'.  
283868. 2837. 'Fife Tuscan'.  
283869. 2838. 'Tainui'.  
283870. 2839. 'Yielder'.  
283871. 2840. 'Hilgendorf'.  
283872. 2841. 'Arawa'.  
283873. 3051. 'Cross 7 1951'. Mildew resistant.  
283874. 3052. 'Hilgendorf 1961'. Mildew resistant.

**283795 to 283891—Continued****283795 to 283881—Continued**

Originally from North America.

283875. 1259. 'April Bearded'.

283876. 1260. 'Beaver Lodge'.

283877. 1261. 'Camrose'.

283878. 1668. 'Sedgwick'.

283879. 1671. 'Pesterboden'.

Originally from South America.

283880. 1966. 'Chilean Wheat'.

283881. 1969. 'Lin Calel'.

**283882 to 283886. TRITICUM COMPACTUM Host**

**Club wheat.**

Originally from Afghanistan.

283882. 2426. 12682.

283883. 2429. 'Echinoides' 12491.

283884. 2430. 'Erinaceum' × 'Feet'. 12614.

283885. 2431. 'Erinaceum Ovflatum' 12720.

283886. 2432. 'Fettioroi 12693'.

**283887 and 283888. TRITICUM PERSICUM Vav.**

**Persian wheat.**

Originally from Persia (now Iran).

Received as var. *stramineum*.

283887. E-681. 'Persian', C.P.I. 2679.

283888. E-687. 'Persian', C.P.I. 2685.

**283889 and 283890. TRITICUM PERSICUM var. RUBICINOSUM Zhuk.**

Originally from Persia (now Iran).

283889. E-682. 'Persian'. C.P.I. 2680.

283890. E-683. 'Persian'. C.P.I. 2681.

**283891. TRITICUM sp.**

E-678. 'Persian Black'. Originally from Persia (now Iran).

**283892 to 283898. CITRUS LIMON (L.) Burm. f. Rutaceae.**

**Lemon.**

From Sicily. Seeds presented by the Stazione Sperimentale di Agrumicoltura, Acireale. Received October 22, 1961.

283892. 'Arancino' (Coccuzzaro).

283893. 'Femminello Ovale'.

283894. 'Femminello Sfusato'.

283895. 'Interdonato'.

283896. 'Lo Porto'.

283897. 'Lunario'.

283898. 'Monachello'.

**283899 to 283956.**

From Czechoslovakia. Seeds presented by the Research Institute for Vegetables, Olomouc. Received October 22, 1962.

Countries of origin other than Czechoslovakia are indicated.

**283899 to 283956—Continued**

- 283899 to 283902.** *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**
- 283899.** 'Bilske Nakladacky'. Pickling variety; fruits short, oval, moderately tapering, dark green, covered with fine warts.
- 283900.** 'Melnicke Nakladacky'. Pickling variety; fruits short, cylindrical; warts few.
- 283901.** 'Mladoboleslavske Salatnice'. Salad variety; fruits medium long, cylindrical, slender, dark green; warts few.
- 283902.** 'Znojemska Nakladacky'. Pickling variety; fruits short, oval, moderately tapering, dark green; warts abundant.
- 283903 to 283956.** *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**
- Plants low, probably determinate; stem firm, spreading.
- 283903.** 'Alaszka'. Hungary. Early variety; fruits round, smooth.
- 283904.** 'Alpatjeva 0905a'. U.S.S.R. Medium early variety; fruits medium size, smooth, round.
- 283905.** 'Amerikanischer Zwerg'. Germany. Late variety; fruits flat; ribbed, yellow.
- 283906.** 'Atom 1'. England. Medium early variety; fruits smooth, moderately elongated.
- 283907.** 'Chabarovskij Stambovyj'. U.S.S.R. Late variety; fruits medium size, smooth, round, rosy colored.
- 283908.** 'Doneckij'. U.S.S.R. Late variety; fruits medium size, flattish, smooth.
- 283909.** 'Gracie'. Hungary. Late variety; fruits flat round, smooth.
- 283910.** 'Gracie Torpe'. Hungary. Late variety; fruits medium size, smooth round.
- 283911.** 'Hybrid 31'. 1592/61. U.S.S.R. Very late variety; fruits moderately flat, ribbed.
- 283912.** 'Hybrid 31'. 1819/61. U.S.S.R. Very late variety; fruits moderately flat, ribbed.
- 283913.** 'Hybrid 99 Mnogolobnyj'. U.S.S.R. Early variety; fruits flat, moderately ribbed.
- 283914.** 'Ijulskie'. U.S.S.R. Fruits large, smooth.
- 283915.** 'Ijulskie No. 242'. U.S.S.R. Early variety; fruits flat, smooth or ribbed.
- 283916.** 'Jubileum'. Grossbeeren, Germany. Midseason-late variety; fruits medium size, smooth.
- 283917.** 'Karlikovyj Sion'. U.S.S.R. Early-midseason variety; fruits medium size, smooth, round.
- 283918.** 'Karzelek Bialy'. Poland. Early variety; fruits small, smooth.
- 283919.** 'Karzelek Chodowski'. Poland. Early variety; fruits smooth.
- 283920.** 'Karzelek Pulawski'. Poland. Early-midseason variety; fruits flat, smooth.
- 283921.** 'Kecskemeti Felmagas'. Hungary. Early-midseason variety; fruits medium size, flat round, smooth.
- 283922.** 'Kecskemeti Torpe'. Hungary. Midseason-late variety; fruits medium size, round or flat, smooth.
- 283923.** 'Krasnoznamennyj'. Germany. Midseason-late variety; fruits medium size, round, smooth.
- 283924.** 'Krasnyj Dar'. U.S.S.R. Early-midseason variety; fruits large, flat.



**283899 to 283956—Continued****283903 to 283956—Continued**

- 283925.** 'Kuban 557'. U.S.S.R. Late variety; fruits flat, moderately ribbed.
- 283926.** 'Liliputek Wladzikowski'. Poland. Early-midseason variety; fruits flat round, smooth.
- 283927.** 'Manitoba'. Canada. Very early variety; fruits large, round, smooth or ribbed.
- 283928.** 'Mexzoli-Fele-Alacsony'. Hungary. Midseason-late variety; fruits medium size, flat round, smooth.
- 283929.** 'Micurinskije 337'. 1582/61. U.S.S.R. Midseason-late variety; fruits medium size, flat round, smooth.
- 283930.** 'Micurinskije 337'. 1832/61. U.S.S.R. Midseason-late variety; fruits medium size, flat round, smooth.
- 283931.** 'Morskin'. Poland. Early-midseason variety; fruits medium size, elongated, pointed.
- 283932.** 'Morskin 12'. Early-midseason variety; fruits medium size, smooth, round.
- 283933.** 'Mory 25'. Poland. Fruits medium size.
- 283934.** 'Mory 33'. Poland. Early variety; fruits medium size, smooth, round.
- 283935.** 'Niedrige Verbesserte Hollandische'. Netherlands. Early-midseason variety; fruits medium size, flat round.
- 283936.** 'Nizke Produktivni'. Midseason-late variety; fruits medium size, smooth, round.
- 283937.** 'Pitica Eva'. Rumania. Late variety; fruits medium size, flat, round.
- 283938.** 'Planovyj'. U.S.S.R. Late variety; fruits medium size to large, flattish, smooth or ribbed.
- 283939.** 'Plovdivska Konzerva'. × 'Bizon'. Early variety; fruits medium size, flat round.
- 283940.** 'Podarok Rodine'. U.S.S.R. Late variety; fruits large, flat, smooth.
- 283941.** 'Rajce 79'. Yugoslavia. Early-midseason variety; fruits large, flat, smooth.
- 283942.** 'Rannyj Rozoviz'. Soviet Union. Fruits medium size, smooth, round.
- 283943.** 'Rannyj Vitebskij'. U.S.S.R. Early variety; fruits flat, moderately ribbed.
- 283944.** 'Resista'. Hungary. Late variety; fruits medium size, smooth, round.
- 283945.** 'Rizskie'. U.S.S.R. Early variety; fruits large, smooth.
- 283946.** 'Roter Gnom'. Germany. Late variety; fruits medium size, smooth, flat round.
- 283947.** 'Rudloff'. Netherlands. Midseason-late variety; fruits medium size, smooth, round.
- 283948.** 'Self Pruning'. Early variety; fruits medium size, smooth, round.
- 283949.** 'Sibirskij Stambovyj'. U.S.S.R. Early variety; fruits medium size, flat, round, smooth.
- 283950.** 'Stambovyj Karlik'. U.S.S.R. Early variety; fruits medium size, smooth, round.

**283899 to 283956—Continued****283903 to 283956—Continued**

283951. 'Sverchrannyj B84'. U.S.S.R. Midseason-late variety; fruits medium size, smooth, round.
283952. 'The Amateur'. Netherlands. Early-midseason variety; fruits medium size, smooth.
283953. 'Tiraspolskij Stambovij'. No data available.
283954. 'Trpasliceck'. Late variety; fruits medium size, smooth, round, yellow.
283955. 'Versalskie'. U.S.S.R. Early-midseason variety; fruits large, flat round.
283956. 'Vrbicanske Nizke'. Early-midseason variety; fruits medium size, smooth, round.

**283957 to 284106.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received October 22, 1962.

Countries of original collection other than Australia are indicated.

**283957. PHALARIS AQUATICA L. Poaceae.**

Unnumbered.

**283958. POA sp. Poaceae.**

C.P.I. 24180. U.S.S.R.

**283959 to 282961. POA PRATENSIS L.**

Kentucky bluegrass.

283959. C.P.I. 22581. Germany.

283960. C.P.I. 24364. Poland.

283961. C.P.I. 24741. Turkey.

**283962. POA SILVICOLA Guss.**

C.P.I. 24108. U.S.S.R.

**283963. POA STERILIS Bieb.**

C.P.I. 24109. U.S.S.R.

**283964. POA STIRIACA Fritsch & Hayek**

C.P.I. 22243. Poland.

**283965. POA VIOLACEA Bell.**

C.P.I. 22723. Denmark.

**283966 to 283970. PSORALEA BITUMINOSA L. Fabaceae.**

Scurf-pea.

283966. C.P.I. 10561. France.

283967. C.P.I. 19658. Portugal.

283968. C.P.I. 24117. U.S.S.R.

283969. C.P.I. 24389. France.

283970. C.P.I. 25094. Tunisia.

**283971. SECALE ANATOLICUM Boiss. Poaceae.**

C.P.I. 19359. Algeria.

**283972. SECALE ANCESTRALE Zhuk.**

C.P.I. 23707. U.S.S.R.

**283973 and 283974. SECALE CEREALE L.**

Rye.

283973. C.P.I. 24367. Poland.

283974. C.P.I. 24368. Poland.

**283957 to 284106—Continued**283975. *SECALE KUPRIJANOVII* Grossh.

C.P.I. 23708. U.S.S.R.

283976 to 283981. *SECALE MONTANUM* Guss.**Mountain rye.**

283976. C.P.I. 19360. Algeria.

283977. C.P.I. 23281. 'Dania'. Hungary.

283978. C.P.I. 23282. 'Magyararszag'. Hungary.

283979. C.P.I. 23283. 'Krayca'. Hungary.

283980. C.P.I. 23284. Hungary.

283981. C.P.I. 23285. Hungary.

283982. *SECALE SEGETALE* (Zhuk.) Roshev.

C.P.I. 23709. U.S.S.R.

283983 to 283985. *SECALE SYLVESTRE* Host

283983. C.P.I. 23711. U.S.S.R.

283984. C.P.I. 24181. U.S.S.R.

283985. C.P.I. 24639. U.S.S.R.

283986. *SETARIA HOLSTII* Herrm. Poaceae.

C.P.I. 15400. Sudan.

283987 and 283988. *SETARIA ITALICA* (L.) Beauv.**Foxtail millet.**

283987. C.P.I. 13616. 'Fenai Co. I'. India.

283988. C.P.I. 26300. Spain.

283989 to 283992. *SETARIA SPHACELATA* (Schum.) Stapf & Hubbard

283989. C.P.I. 1598. Tanganyika.

283990. C.P.I. 16413. Nigeria.

283991. C.P.I. 17795. Kenya.

283992. C.P.I. 23604. 'Kazungula'. South Africa.

283993. *STIPA HYALINA* Nees Poaceae.

C.P.I. 22410. Argentina.

283994. *STYLOSANTHES GRACILIS* HBK Fabaceae.

C.P.I. 5630. Brazil.

283995 to 283997. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae.**Berseem clover.**

283995. C.P.I. 14983. 'Fahli'. Israel.

283996. C.P.I. 15810. Morocco

283997. C.P.I. 21962. Italy.

283998. *TRIFOLIUM ALPESTRE* L.

C.P.I. 22331. U.S.S.R.

283999 to 284006. *TRIFOLIUM AMBIGUUM* Bieb.**Kura clover.**

283999. C.P.I. 2264. U.S.S.R.

284000. C.P.I. 9949. U.S.S.R.

284001. C.P.I. 18115. New Zealand.

284002. C.P.I. 23807. Turkey.

284003. C.P.I. 23808. Turkey.

284004. C.P.I. 23809. Turkey.



**283957 to 284106—Continued****283999 to 284006—Continued**

284005. C.P.I. 23810. Turkey.
284006. C.P.I. 23811. Turkey.
284007. *TRIFOLIUM APERTUM* Bobr.  
C.P.I. 22003. U.S.S.R.
284008. *TRIFOLIUM BEJARINENSE* Moric.  
C.P.I. 21853. England.
284009. *TRIFOLIUM CARMELII* Boiss.  
C.P.I. 15637. Israel.
284010. *TRIFOLIUM ECHINATUM* var. *CARMELII* (Boiss) Bib. & Belli  
C.P.I. 18739. Israel.
- 284011 to 284025. *TRIFOLIUM CHERLERI* L.
284011. C.P.I. 13930. Cyprus.
284012. C.P.I. 14235. Greece.
284013. C.P.I. 14448. Portugal.
284014. C.P.I. 14548. Algeria.
284015. C.P.I. 14549. Algeria.
284016. C.P.I. 14734. Morocco.
284017. C.P.I. 14926. Israel.
284018. C.P.I. 15169. France.
284019. C.P.I. 15175. France.
284020. C.P.I. 15252. Spain.
284021. C.P.I. 15253. Spain.
284022. C.P.I. 15638. Israel.
284023. C.P.I. 22987. Portugal.
284024. C.P.I. 23060. Italy.
284025. C.P.I. 24348. Italy.
284026. *TRIFOLIUM DESVAUXII* Boiss. & Blanche  
C.P.I. 13816. Lebanon.
284027. *TRIFOLIUM ARVENSE* L. Rabbitfoot clover.  
C.P.I. 23819. Turkey. Received as *T. armenium*.
284028. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.  
C.P.I. 22001. U.S.S.R.
284029. *VICIA LUTEA* L. Fabaceae.  
C.P.I. 10482. Portugal.
- 284030 to 284100. *VICIA SATIVA* L. Common vetch.
284030. C.P.I. 18743. Israel.
284031. C.P.I. 18766. Belgium.
284032. C.P.I. 18782. Belgium.
284033. C.P.I. 20343. France.
284034. C.P.I. 20344. 'Blanchefleur'. France.
284035. C.P.I. 20345. 'Occitane'. France.
284036. C.P.I. 20509. Cyprus.

**283957 to 284106—Continued****284030 to 284100—Continued**

- 284037. C.P.I. 21120. Czechoslovakia.
- 284038. C.P.I. 21977. Italy.
- 284039. C.P.I. 21978. Italy.
- 284040. C.P.I. 21979. Italy.
- 284041. C.P.I. 21980. Italy.
- 284042. C.P.I. 21981. Italy.
- 284043. C.P.I. 21982. Italy.
- 284044. C.P.I. 22908. Czechoslovakia.
- 284045. C.P.I. 22909. Czechoslovakia.
- 284046. C.P.I. 22910. Czechoslovakia.
- 284047. C.P.I. 22911. Czechoslovakia.
- 284048. C.P.I. 22912. Czechoslovakia.
- 284049. C.P.I. 22913. Czechoslovakia.
- 284050. C.P.I. 22914. Czechoslovakia.
- 284051. C.P.I. 22915. Czechoslovakia.
- 284052. C.P.I. 22916. Czechoslovakia.
- 284053. C.P.I. 22917. Czechoslovakia.
- 284054. C.P.I. 22918. Czechoslovakia.
- 284055. C.P.I. 22919. Czechoslovakia.
- 284056. C.P.I. 22920. Czechoslovakia.
- 284057. C.P.I. 22921. Czechoslovakia.
- 284058. C.P.I. 22922. Czechoslovakia.
- 284059. C.P.I. 22923. Czechoslovakia.
- 284060. C.P.I. 22924. Czechoslovakia.
- 284061. C.P.I. 22925. Czechoslovakia.
- 284062. C.P.I. 22926. Czechoslovakia.
- 284063. C.P.I. 22927. Czechoslovakia.
- 284064. C.P.I. 22928. Czechoslovakia.
- 284065. C.P.I. 23515. U.S.S.R.
- 284066. C.P.I. 23637. Turkey via Germany.
- 284067. C.P.I. 23638. Turkey via Germany.
- 284068. C.P.I. 23639. Turkey via Germany.
- 284069. C.P.I. 23677. Germany.
- 284070. C.P.I. 23674. Germany.
- 284071. C.P.I. 23675. Germany.
- 284072. C.P.I. 23676. Germany.
- 284073. C.P.I. 23678. Germany.
- 284074. C.P.I. 23679. Germany.
- 284075. C.P.I. 23680. Germany.
- 284076. C.P.I. 23744. Greece.
- 284077. C.P.I. 23745. Greece.
- 284078. C.P.I. 23746. Greece.

**283957 to 284106—Continued****284030 to 284100—Continued**

- 284079. C.P.I. 23747. Greece.
- 284080. C.P.I. 23748. Greece.
- 284081. C.P.I. 23749. Greece.
- 284082. C.P.I. 23750. Greece.
- 284083. C.P.I. 23751. Greece.
- 284084. C.P.I. 23752. Greece.
- 284085. C.P.I. 24375. Poland.
- 284086. C.P.I. 24376. Poland.
- 284087. C..PI. 24378. Poland.
- 284088. C.P.I. 24901. Turkey.
- 284089. C.P.I. 24902. Turkey.
- 284090. C.P.I. 24903. Turkey.
- 284091. C.P.I. 24904. Turkey.
- 284092. C.P.I. 24907. Iran.
- 284093. C.P.I. 24909. Turkey.
- 284094. C.P.I. 24911. Turkey.
- 284095. C.P.I. 24912. Turkey.
- 284096. C.P.I. 26592. Bulgaria.
- 284097. C.P.I. 26698. Argentina.
- 284098. C.P.I. 26866. Italy.
- 284099. C.P.I. 26867. Italy.
- 284100. C.P.I. 27152. Italy.

**284101 to 284105. VICIA VILLOSA Roth.****Hairy vetch.**

- 284101. C.P.I. 10388. Bulgaria.
- 284102. C.P.I. 16484. Portugal.
- 284103. C.P.I. 16487. Portugal.
- 284104. C.P.I. 21983. Italy.
- 284105. C.P.I. 24192. U.S.S.R.

**284106. VIGNA REPENS Baker Fabaceae.**

C.P.I. 21518. Central America.

**284107 to 284472.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received October 24, 1962.

Countries of original collection other than Australia are indicated.

**284107 to 284112. BROMUS WILDENOWII Kunth Poaceae. Rescuegrass.**

Received as *B. catharticus*, a synonym.

- 284107. C.P.I. 9711. Uruguay.
- 284108. C.P.I. 25494. Chile.
- 284109. C.P.I. 25744. South America.
- 284110. C.P.I. 25745. South America.
- 284111. C.P.I. 25746. South America.
- 284112. C.P.I. 25747. South America.



**284107 to 284472—Continued**

284113. *CUCUMIS MYRIOCARPUS* Naud. Cucurbitaceae. **Gooseberry gourd.**  
No. N-711. Queanbeyan, N.S.W.
- 284114 to 284116. *CYCAS MEDIA* R. Br. Cycadaceae.
284114. Q-636.
284115. Q-637. Serpentine ridge 7 miles south of Marlborough.
284116. Q-638. Serpentine ridge 7 miles south of Marlborough.
284117. *EHRHARTA CALYCINA* J. E. Smith Poaceae. **Perennial veldtgrass.**  
C.P.I. 25497. Chile.
284118. *ERYTHRINA VESPERTILIO* Benth. ex Mitchell Fabaceae. **Coral tree.**  
W-931.
284119. *LATHYRUS SATIVUS* L. Fabaceae. **Grass peavine.**  
C.P.I. 20493. Cyprus.
284120. *MACROZAMIA* sp. Cycadaceae.  
Q-637. Serpentine ridge 7 miles south of Marlborough.
- 284121 and 284122. *MEDICAGO SCUTELLATA* (L.) Mill. Fabaceae. **Snail medic.**
284121. C.P.I. 13931. Cyprus.
284122. C.P.I. 14097. Italy.
284123. *MEDICAGO TRIBULOIDES* Desr. **Barrel medic.**  
C.P.I. 13914. Cyprus.
284124. *ONOBRYCHIS BIEBERSTEINII* Sirjaev Fabaceae.  
C.P.I. 23313. Hungary.
- 284125 to 284129. *ONOBRYCHIS VICHIFOLIA* Scop. **Sainfoin.**
284125. C.P.I. 4312. Received as *O. sativa*, a synonym. Persia.
284126. C.P.I. 21959. Italy.
284127. C.P.I. 23319. 'Magyar'. Hungary.
284128. C.P.I. 23320. 'Leugelorsrag'. Hungary.
284129. C.P.I. 23321. 'Portugalia'. Hungary.
- 284130 and 284131. *ORNITHOPUS COMPRESSUS* L. Fabaceae.
284130. C.P.I. 14441. Portugal.
284131. C.P.I. 16622. Portugal.
- 284132 and 284133. *ORNITHOPUS ISTHMOCARPUS* Coss.
284132. C.P.I. 14440. Portugal.
284133. C.P.I. 22111. Morocco.
284134. *ORNITHOPUS PERPUSILLUS* L.  
C.P.I. 21291. Holland.
- 284135 to 284143. *ORNITHOPUS SATIVUS* Brot. **Serradella.**
284135. C.P.I. 13101. Portugal.
284136. C.P.I. 14442. Portugal.
284137. C.P.I. 16006. Kenya.
284138. C.P.I. 16379. S. Africa.
284139. C.P.I. 16380. S. Africa.
284140. C.P.I. 16618. Portugal.

## 284107 to 284472—Continued

## 284135 to 284143—Continued

284141. C.P.I. 16620. Portugal.

284142. C.P.I. 16621. Portugal.

284143. C.P.I. 17833. Kenya.

284144. *ORYZOPSIS COERULESCENS* (Desf.) Hack. Poaceae.  
C.P.I. 14820. Israel.284145 to 284149. *ORYZOPSIS MILIACEA* (L.) Benth & Hook. ex Aschers. &  
Schweinf. Smilograss.

284145. C.P.I. 7782. Morocco.

284146. C.P.I. 14824. Israel.

284147. C.P.I. 14825. Israel.

284148. C.P.I. 15584. Israel.

284149. C.P.I. 24590. Spain.

284150 and 284151. *PANICUM ANTIDOTALE* Retz. Poaceae.

Blue panicgrass.

284150. C.P.I. 21008. Senegal.

284151. C.P.I. 23172. India.

284152. *PANICUM COLORATUM* L.  
C.P.I. 16725. S. Africa.

Klein grass.

284153 and 284154. *PANICUM LAEVIFOLIUM* Hack.

284153. C.P.I. 16235. Cyprus.

284154. C.P.I. 21338. Costa Rica.

284155 to 284167. *PANICUM MAXIMUM* Jacq.

Guineagrass.

284155. C.P.I. 8390. S. Africa.

284156. C.P.I. 14374. S. Africa.

284157. C.P.I. 15895. Tanganyika.

284158. C.P.I. 15896. Tanganyika.

284159. C.P.I. 16003. 'Rumurti Strain'. Kenya.

284160. C.P.I. 16062. Belgian Congo.

284161. C.P.I. 16148. Sierre Leone.

284162. C.P.I. 16721. S. Africa.

284163. C.P.I. 16722. S. Africa.

284164. C.P.I. 16724. S. Africa.

284165. C.P.I. 16792. S. Africa.

284166. C.P.I. 16793. S. Africa.

284167. C.P.I. 21359. Central America.

284168. *PANICUM MILIACEUM* L.  
C.P.I. 13618. 'Panivaragu'. India.

Proso millet.

284169. *PAPPOPHORUM MUCRONULATUM* Nees Poaceae.  
C.P.I. 22789. Argentina.

Pappusgrass.

284170. *PASPALUM DILATATUM* Poir. Poaceae.  
C.P.I. 21362. Central America.

Dallisgrass.

284171. *PASPALUM NICORAE* Parodi  
C.P.I. 21370. Central America.

## 284107 to 284472—Continued

- 284172 to 284175. *PASPALUM NOTATUM* Fluegge **Bahiagrass.**  
284172. C.P.I. 21339. Costa Rica.  
284173. C.P.I. 21371. Central America.  
284174. C.P.I. 21372. Central America.  
284175. C.P.I. 21373. Central America.
284176. *PASPALUM ROJASII* Hack.  
C.P.I. 20324. Paraguay.
284177. *PENNISETUM PEDICELLATUM* Trin. Poaceae.  
C.P.I. 22619. Nigeria.
284178. *PHALARIS* (hybrid.) Poaceae.  
C.P.I. 7033. *P. arundinacea* × *P. aquatica*. Wales.
284179. *PHALARIS ARUNDINACEA* L. Poaceae. **Reed canary grass.**  
C.P.I. 6764. France.
- 284180 to 284186. *PHALARIS CANARIENSIS*  
284180. C.P.I. 14690. Morocco.  
284181. C.P.I. 18677. Morocco.  
284182. C.P.I. 18678. Morocco.  
284183. C.P.I. 18679. Morocco.  
284184. C.P.I. 18791. Morocco.  
284185. C.P.I. 19625. Sweden.  
284186. C.P.I. 27142. Italy.
- 284187 to 284191. *PHALARIS COERULESCENS* Desf.  
284187. C.P.I. 9785. Portugal.  
284188. C.P.I. 12587. Portugal.  
284189. C.P.I. 14991. Sicily.  
284190. C.P.I. 23021. Portugal.  
284191. C.P.I. 24457. Morocco.
284192. *PHALARIS TRUNCATA* Guss.  
C.P.I. 19241. Algeria.
- 284193 to 284243. *PHALARIS AQUATICA* L.  
284193. C.P.I. 1305. U.S.A.  
284194. C.P.I. 1306. U.S.A.  
284195. C.P.I. 1350. U.S.A.  
284196. C.P.I. 9817. Portugal.  
284197. C.P.I. 10544. France.  
284198. C.P.I. 10944. Italy.  
284199. C.P.I. 12449. U.S.A.  
284200. C.P.I. 12617. Holland.  
284201. C.P.I. 12745. S. Africa.  
284202. C.P.I. 12800. Portugal.  
284203. C.P.I. 13801. Lebanon.  
284204. C.P.I. 14057. Israel.  
284205. C.P.I. 14071. Turkey.



**284107 to 284472—Continued****284193 to 284243—Continued**

284206. C.P.I. 14418. Portugal.  
284207. C.P.I. 14419. Portugal.  
284208. C.P.I. 14495.  
284209. C.P.I. 14498.  
284210. C.P.I. 14693.  
284211. C.P.I. 14696.  
284212. C.P.I. 14697.  
284213. C.P.I. 14833.  
284214. C.P.I. 14834.  
284215. C.P.I. 15020.  
284216. C.P.I. 15021.  
284217. C.P.I. 15022.  
284218. C.P.I. 15110.  
284219. C.P.I. 15217.  
284220. C.P.I. 15220.  
284221. C.P.I. 15310.  
284222. C.P.I. 15311.  
284223. C.P.I. 15591.  
284224. C.P.I. 15593.  
284225. C.P.I. 16799.  
284226. C.P.I. 19275.  
284227. C.P.I. 19280.  
284228. C.P.I. 19289.  
284229. C.P.I. 19315.  
284230. C.P.I. 19331.  
284231. C.P.I. 19344.  
284232. C.P.I. 19350.  
284233. C.P.I. 19351.  
284234. C.P.I. 19353.  
284235. C.P.I. 19357.  
284236. C.P.I. 19358.  
284237. C.P.I. 20773.  
284238. C.P.I. 24341.  
284239. C.P.I. 24730.  
284240. C.P.I. 25715.  
284241. C.P.I. 25778.  
284242. C.P.I. 25780.  
284243. C.P.I. 26298.  
284244 to 284247. *PHLEUM PRATENSIS* L. Poaceae. Timothy.  
284244. C.P.I. 21095. 'Vetrovska'. Czechoslovakia.  
284245. C.P.I. 22239. Poland.  
284246. C.P.I. 24234. Yugoslavia.

**284107 to 284472—Continued****284244 to 284247—Continued**

284247. C.P.I. 24235. Yugoslavia.

284248 and 284249. POA AMPLA Merrill Poaceae.

**Big bluegrass.**

284248. C.P.I. 12279. U.S.A.

284249. C.P.I. 23969. Sweden.

284250. POA PALUSTRIS L.

**Fowl meadowgrass.**

C.P.I. 22578. Germany.

284251. POA ALPINA L.

C.P.I. 24448. Czechoslovakia.

284252 and 284253. POA COMPRESSA L.

**Canada bluegrass.**

284252. C.P.I. 22240. Poland.

284253. C.P.I. 22580. Germany.

284254. POA IRIDIFOLIA Haum.

C.P.I. 9724. Argentina via Hungary.

284255. POA LIGULARIS Nees ex Steud.

C.P.I. 22078. Argentina.

284256. TERAMNUS UNCINATUS (L.) Swartz Fabaceae.

C.P.I. 22620. Nigeria.

284257. TRIFOLIUM CANESCENS Willd. Fabaceae.

C.P.I. 23822. Turkey. Received as *T. hohenackeri*, a synonym.

284258. TRIFOLIUM LAPPACEUM L.

C.P.I. 14766. Israel.

284259 to 284267. TRIFOLIUM FRAGIFERUM L.

**Strawberry clover.**

284259. C.P.I. 19419. Algeria.

284260. C.P.I. 19420. Morocco.

284261. C.P.I. 19422. Morocco.

284262. C.P.I. 19423. Morocco.

284263. C.P.I. 19424. Morocco.

284264. C.P.I. 19427. Morocco.

284265. C.P.I. 19428. Morocco.

284266. C.P.I. 19429. Morocco.

284267. C.P.I. 22415. France.

284268. TRIFOLIUM GLOMERATUM L.

C.P.I. 25781. S. America.

**Cluster clover.**

284269 to 284272. TRIFOLIUM HIRTUM -All.

**Rose clover.**

284269. C.P.I. 13949. Cyprus.

284270. C.P.I. 19949. Bulgaria.

284271. C.P.I. 22112. Morocco.

284272. C.P.I. 24122. U.S.S.R.

284273 to 284280. TRIFOLIUM HYBRIDUM L.

**Alsike clover.**

284273. C.P.I. 22125. China.

284274. C.P.I. 23824. Turkey.

284275. C.P.I. 23825. Turkey.

**284107 to 284472—Continued****284273 to 284280—Continued**

284276. C.P.I. 23826. Turkey.

284277. C.P.I. 23827. Turkey.

284278. C.P.I. 24851. Iran.

284279. C.P.I. 24852. Turkey.

284280. C.P.I. 24853. Turkey.

**284281 to 284284. TRIFOLIUM INCARNATUM L.****Crimson clover.**

284281. C.P.I. 15812. Morocco.

284282. C.P.I. 19717. Hungary.

284283. C.P.I. 23524. England.

284284. C.P.I. 24854. Turkey.

**284285. TRIFOLIUM PALLIDUM Waldst. & Kit.**

C.P.I. 19430. Algeria.

**284286. TRIFOLIUM PATENS Schreb.**

C.P.I. 2274. Denmark.

**284287 to 284291. TRIFOLIUM RESUPINATUM L.****Persian clover.**

284287. C.P.I. 21966. Italy.

284290. C.P.I. 21970. Italy.

284288. C.P.I. 21968. Italy.

284291. C.P.I. 21972. Italy.

284289. C.P.I. 21969. Italy.

**284292. TRIFOLIUM SPADICEUM L.**

C.P.I. 23837. Turkey.

**284293 and 284294. TRIFOLIUM STRIATUM L.**

284293. C.P.I. 13594. Portugal.

284294. C.P.I. 22114. Morocco.

**284295. TRIFOLIUM SUPINUM Savi**

C.P.I. 14941. Israel.

**284296. TRIFOLIUM CANESCENS Willd.**

C.P.I. 22336. U.S.S.R.

**284297. TRIFOLIUM TUMENS Stev. ex Bieb**

C.P.I. 22746. Denmark.

**284298. TRIFOLIUM USAMBARENSE Taub.**

C.P.I. 22156. China.

**284299 and 284300. TRIFOLIUM PARVIFLORUM Ehrh.**

284299. C.P.I. 23328. Hungary.

284300. C.P.I. 27301. Sweden.

**284301 to 284306. VICIA ANGUSTIFOLIA L. Leguminosae. Narrowleaf vetch.**

284301. C.P.I. 10402. Bulgaria.

284302. C.P.I. 10706. Portugal.

284303. C.P.I. 10707. Portugal.

284304. C.P.I. 20666. U.S.S.R.

284305. C.P.I. 24888. Afghanistan.

284306. C.P.I. 25401. Japan.



**284107 to 284472—Continued**284307 to 284309. *VICIA ARTICULATA* Hornem.

284307. C.P.I. 10396. Bulgaria.

284308. C.P.I. 11005. Italy.

284309. C.P.I. 23619. England.

284310 to 284312. *VICIA CRACCA* L.**Bird vetch.**

284310. C.P.I. 9517. China.

284311. C.P.I. 20510. Cyprus.

284312. C.P.I. 20546. Cyprus.

284313 to 284315. *VICIA DASYCARPA* Ten.**Woollypod vetch.**

284313. C.P.I. 15095. Turkey.

284314. C.P.I. 15508. Algeria.

284315. C.P.I. 20497. Cyprus.

284316 to 284336. *VICIA ERVILIA* (L.) Willd.**Bittervetch.**

284316. C.P.I. 9995. Cyprus.

284317. C.P.I. 10118. Holland.

284318. C.P.I. 10385. Bulgaria.

284319. C.P.I. 13427. Greece.

284320. C.P.I. 13867. 'Rovi'. Greece.

284321. C.P.I. 15272. Spain.

284322. C.P.I. 16237. S. Africa.

284323. C.P.I. 16633. Portugal.

284324. C.P.I. 18777. Belgium.

284325. C.P.I. 20499. Cyprus.

284326. C.P.I. 20500. Cyprus.

284327. C.P.I. 20501. Cyprus.

284328. C.P.I. 20502. Cyprus.

284329. C.P.I. 20503. Cyprus.

284330. C.P.I. 20792. Greece.

284331. C.P.I. 24889. Afghanistan via Sweden.

284332. C.P.I. 24890. Afghanistan via Sweden.

284333. C.P.I. 24891. Afghanistan via Sweden.

284334. C.P.I. 24892. Afghanistan via Sweden.

284335. C.P.I. 24893. Afghanistan.

284336. C.P.I. 25495. Iran via Sweden.

284337 to 284349. *VICIA FABA* L.**Broadbean.**

284337. C.P.I. 10386. Bulgaria.

284338. C.P.I. 13825. Lebanon.

284339. C.P.I. 15539. Sudan.

284340. C.P.I. 15753. Ethiopia.

284341. C.P.I. 15863. Ethiopia.

284342. C.P.I. 15864. Ethiopia.

284343. C.P.I. 15865. Ethiopia.

**284107 to 284472—Continued****284337 to 284349—Continued**

- 284344. C.P.I. 16429. Eritrea.
- 284345. C.P.I. 22612. 'Piacentino'. Italy.
- 284346. C.P.I. 22613. 'Pugliese'. Italy.
- 284347. C.P.I. 22614. 'Aresso'. Italy.
- 284348. C.P.I. 22615. 'Piacentino'. Italy.
- 284349. C.P.I. 22616. 'Siciliana'. Italy.

**284350 to 284359. VICIA LUTEA L.**

- 284350. C.P.I. 9009. Portugal.
- 284351. C.P.I. 10491. Portugal.
- 284352. C.P.I. 14116. Italy.
- 284353. C.P.I. 14985. 'Cape Vetch'. Israel.
- 284354. C.P.I. 16636. Portugal.
- 284355. C.P.I. 16637. Portugal.
- 284356. C.P.I. 16638. Portugal.
- 284357. C.P.I. 16639. Portugal.
- 284358. C.P.I. 16640. Portugal.
- 284359. C.P.I. 20665. U.S.S.R.

**284360 to 284462. VICIA SATIVA L.****Common vetch.**

- 284360. C.P.I. 9955. Cyprus.
- 284361. C.P.I. 10005. Cyprus.
- 284362. C.P.I. 10372. Bulgaria.
- 284363. C.P.I. 10378. Bulgaria.
- 284364. C.P.I. 10393. Bulgaria.
- 284365. C.P.I. 10394. Bulgaria.
- 284366. C.P.I. 10400. Australia via Bulgaria.
- 284367. C.P.I. 10402. Australia via Bulgaria.
- 284368. C.P.I. 10403. Australia via Bulgaria.
- 284369. C.P.I. 10408. Russia via Bulgaria.
- 284370. C.P.I. 10410. Bulgaria.
- 284371. C.P.I. 10415. Bulgaria.
- 284372. C.P.I. 13828. Lebanon.
- 284373. C.P.I. 13984. Morocco.
- 284374. C.P.I. 15496. Algeria.
- 284375. C.P.I. 15499. 'Kabylie 128'. Algeria.
- 284376. C.P.I. 15500. 'Kabylie 130'. Algeria.
- 284377. C.P.I. 15503. 'Languedoc 156'. Algeria.
- 284378. C.P.I. 15504. 'Languedoc 225'. Algeria.
- 284379. C.P.I. 15822. Morocco.
- 284380. C.P.I. 15823. Morocco.
- 284381. C.P.I. 15825. Morocco.
- 284382. C.P.I. 16239. Ethiopia.

**284107 to 284472—Continued****284360 to 284462—Continued**

- 284383. C.P.I. 16470. Portugal.
- 284384. C.P.I. 16472. Portugal.
- 284385. C.P.I. 16473. Portugal.
- 284386. C.P.I. 16478. Portugal.
- 284387. C.P.I. 16480. Portugal.
- 284388. C.P.I. 16644. Portugal.
- 284389. C.P.I. 16647. Portugal.
- 284390. C.P.I. 20511. Cyprus.
- 284391. C.P.I. 20512. Cyprus.
- 284392. C.P.I. 20513. Cyprus.
- 284393. C.P.I. 20514. Cyprus.
- 284394. C.P.I. 20515. Cyprus.
- 284395. C.P.I. 20516. Cyprus.
- 284396. C.P.I. 20517. Cyprus.
- 284397. C.P.I. 20518. Cyprus.
- 284398. C.P.I. 20519. Cyprus.
- 284399. C.P.I. 20520. Cyprus.
- 284400. C.P.I. 20521. Cyprus.
- 284401. C.P.I. 20524. Cyprus.
- 284402. C.P.I. 20527. Cyprus.
- 284403. C.P.I. 20528. Cyprus.
- 284404. C.P.I. 20529. Cyprus.
- 284405. C.P.I. 20530. Cyprus.
- 284406. C.P.I. 20531. Cyprus.
- 284407. C.P.I. 20532. Cyprus.
- 284408. C.P.I. 20534. Cyprus.
- 284409. C.P.I. 20535. Cyprus.
- 284410. C.P.I. 20536. Cyprus.
- 284411. C.P.I. 20538. Cyprus.
- 284412. C.P.I. 20539. Cyprus.
- 284413. C.P.I. 20541. Cyprus.
- 284414. C.P.I. 20542. Cyprus.
- 284415. C.P.I. 20543. Cyprus.
- 284416. C.P.I. 20544. Cyprus.
- 284417. C.P.I. 21975. Italy.
- 284418. C.P.I. 25933. Yugoslavia.
- 284419. C.P.I. 25934. Yugoslavia.
- 284420. C.P.I. 26548. Bulgaria.
- 284421. C.P.I. 26550. Bulgaria.
- 284422. C.P.I. 26551. Bulgaria.
- 284423. C.P.I. 26552. Bulgaria.



**284107 to 284472—Continued****284360 to 284462—Continued**

- 284424. C.P.I. 26553. Bulgaria.
- 284425. C.P.I. 26554. Bulgaria.
- 284426. C.P.I. 26555. Bulgaria.
- 284427. C.P.I. 26556. Bulgaria.
- 284428. C.P.I. 26557. Bulgaria.
- 284429. C.P.I. 26558. Bulgaria.
- 284430. C.P.I. 26559. Bulgaria.
- 284431. C.P.I. 26560. Bulgaria.
- 284432. C.P.I. 26561. Bulgaria.
- 284433. C.P.I. 26562. Bulgaria.
- 284434. C.P.I. 26563. Bulgaria.
- 284435. C.P.I. 26564. Bulgaria.
- 284436. C.P.I. 26565. Bulgaria.
- 284437. C.P.I. 26566. Bulgaria.
- 284438. C.P.I. 26567. Bulgaria.
- 284439. C.P.I. 26568. Bulgaria.
- 284440. C.P.I. 26569. Bulgaria.
- 284441. C.P.I. 26570. Bulgaria.
- 284442. C.P.I. 26571. Bulgaria.
- 284443. C.P.I. 26572. Bulgaria.
- 284444. C.P.I. 26573. Bulgaria.
- 284445. C.P.I. 26574. Bulgaria.
- 284446. C.P.I. 26575. Bulgaria.
- 284447. C.P.I. 26576. Bulgaria.
- 284448. C.P.I. 26577. Bulgaria.
- 284449. C.P.I. 26578. Bulgaria.
- 284450. C.P.I. 26579. Bulgaria.
- 284451. C.P.I. 26580. Bulgaria.
- 284452. C.P.I. 26581. Bulgaria.
- 284453. C.P.I. 26582. Bulgaria.
- 284454. C.P.I. 26583. Bulgaria.
- 284455. C.P.I. 26584. Bulgaria.
- 284456. C.P.I. 26585. Bulgaria.
- 284457. C.P.I. 26586. Bulgaria.
- 284458. C.P.I. 26587. Bulgaria.
- 284459. C.P.I. 26588. Bulgaria.
- 284460. C.P.I. 26589. Bulgaria.
- 284461. C.P.I. 26590. Bulgaria.
- 284462. C.P.I. 26591. Bulgaria.

284463 to 284467. VICIA VILLOSA Roth

- 284463. C.P.I. 22929. Czechoslovakia.
- 284464. C.P.I. 22930. Czechoslovakia.

Hairy vetch.

**284107 to 284472—Continued****284463 to 284467—Continued**

284465. C.P.I. 23332. Hungary.  
 284466. C.P.I. 25905. S. America.  
 284467. C.P.I. 26699. Argentina.

**284468 to 284472. VICIA SATIVA L.****Common vetch.**

284468. C.P.I. 22870. Czechoslovakia.  
 284469. C.P.I. 22871. Czechoslovakia.  
 284470. C.P.I. 22872. Czechoslovakia.  
 284471. C.P.I. 23333. Hungary.  
 284472. C.P.I. 24454. Czechoslovakia.

**284473 to 284477.**

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received October 25, 1962.

284473. CROTALARIA JUNCEA L. Fabaceae. **Sunn-hemp.**  
 B/61/143. Rietondale.  
 284474. DIGITARIA SMUTSII Stent Poaceae.  
 B/56/8. Irene.  
 284475. EHRHARTA CALYCINA J. E. Smith Poaceae. **Perennial veldtgrass.**  
 B/57/128. Clanwilliam.  
 284476. GLYCINE JAVANICA L. Fabaceae.  
 B/62/1. Dohne.  
 284477. SETARIA SPHACELATA (Schum.) Stapf & Hubbard Poaceae.  
 B/59/53. Gomati River, Kalahari.

**284478 and 284479. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**

From Rhodesia. Seeds presented by the Seed Services, Causeway. Received October 25, 1962.

284478. 'Mani Pintar'.  
 284479. 'Natal Common'.

**284480 to 284492.**

From Ireland. Plants and cuttings presented by the National Botanical Garden, Glasnevin, Dublin. Received October 29, 1962.

284480. ABROMEITIELLA CHLORANTHA (Hauman) Mez Bromeliaceae.  
 284481. CALATHEA ZEBRINA Lindl. Marantaceae.  
 'Binotti'.  
 284482. COSTUS SPECIOSUS (Koen.) J. E. Smith Zingiberaceae.  
 284483. EUPHORBIA GRIFFITHII Hook. f. Euphorbiaceae.  
 284484. IMPATIENS PETERSIANA Gilg. ex Grignani Impatiaceae.  
 284485. JUANULLOA AURANTIACA Otto & Dietr. Solanaceae.  
 284486. NERTERA BALFOURIANA Cockayne ex Allan Rubiaceae.  
 284487. PRUNUS SERRULATA Lindl. Amygdalaceae.  
 'Tibetica'.  
 284488. RONDELETIA ODORATA Jacq. Rubiaceae.  
 'Major'.

**284480 to 284492—Continued**

284489. *SAXIFRAGA CONIFERA* Coss. & Dur. Saxifragaceae.

284490. *SEMPERVIVUM GIUSEPPII* Wale. Crassulaceae.

284491. *SEMPERVIVUM HEUFFELII* Schott

284492. *TILIA DASYSTYLA* Stev. Tiliaceae.

**284493. *LYCOPERSICON PIMPINELLIFOLIUM* (Jusl.) Mill. Solanaceae. Currant tomato.**

From Ecuador. Seeds collected and presented by E. P. Imle, collaborator, Crops Research Division, Plant Industry Station, Beltsville, Md. Received October 31, 1962.

Col. No. 122. New clearing near Pichilingue. Small tomato in wild prized by natives; flowers yellow; heavy fruiting, few ripe in late September.

**284494. *NICOTIANA THYRSIFLORA* Goodspeed Solanaceae.**

From Peru. Seeds presented by the Agency for International Development, Lima. Received October 31, 1962.

From several plants at Cajamarca, latitude 7° S., longitude 78° W. Elevation 9,000 feet.

**284495. *PRUNUS* sp. Amygdalaceae.**

From India. Seeds presented by the Government Horticultural Research Institute, Saharanpur. Received September 13, 1962. Numbered October 31, 1962.

'Sharbati' peach. Subtropical variety said to require only 30-40 hours chilling; tree erect, spreading, vigorous, heavy bearer; fruits ripen early, greenish yellow with rosy patches, sweet, well flavored, juicy, clingstone, weight about 70 grams.

**284496. *DIGITARIA ADSCENDENS* (HBK) Henrard Poaceae.**

From the Belgian Congo. Seeds presented by the University of Florida, Gainesville, Florida. Numbered October 31, 1962.

No. 187. Yangambi (Gotta Hills).

**284497. *PASPALUM SETACEUM* Michx. Poaceae.**

From Bermuda. Seeds presented by the University of Florida, Gainesville, Florida. Numbered October 31, 1962.

P-149.

**284498 to 284500. *PASPALUM VAGINATUM* Swartz Poaceae.**

From Chile. Seeds presented by the University of Florida, Gainesville, Florida. Numbered October 31, 1962.

284498. P-248.

284499. P-249.

284500. P-250.

**284501 to 284506.**

From Colombia. Seeds presented by the University of Florida, Gainesville, Florida. Numbered October 31, 1962.

284501. *PASPALUM PLICATULUM* Michx. Poaceae. Brownseed paspalum. P-106.

284502. *PASPALUM VIRGATUM* L. P-144.

284503. *PASPALUM PANICULATUM* L. P234.



**284501 to 284506—Continued**

284504. *PASPALUM TENELLUM* Willd.

P-236.

284505. *PASPALUM* sp.

P-237.

284506. *PASPALUM* sp.

P-240.

**284507 to 284517.**

From Puerto Rico. Seeds presented by the University of Florida, Gainesville, Florida. Numbered Oct. 31, 1962.

284507. *PASPULUM CONJUGATUM* Berg. Poaceae.

P-50.

284508. *PASPALUM LAXUM* Lam.

P-76.

284509. *PASPALUM MALACOPHYLLUM* Trin.

P-79.

284510. *PASPALUM DENSUM* Poir.

P-215.

284511. *PASPALUM* sp.

P-217.

284512. *PASPALUM* sp.

P-218.

284513. *PASPALUM* sp.

P-220.

284514. *PASPALUM* sp.

P223.

284515. *PASPALUM PANICULATUM* L.

P-226.

284516. *PASPALUM PANICULATUM* L.

P-230.

284517. *PASPALUM PANICULATUM* L.

P-233.

**284518. DIGITARIA VELUTINA (DC.) Hitchc. Poaceae.**

From Senegal. Seeds presented by the University of Florida, Gainesville, Florida. Numbered Oct. 31, 1962.

No. 195. Dakar.

**284519 to 284521.**

From Trinidad. Seeds presented by the University of Florida, Gainesville, Florida. Numbered Oct. 31, 1962.

284519. *DIGITARIA EXILIS* (Kippist) Stapf Poaceae.

Fundi.

No. 122. I.C.T.A.

284520. *PASPALUM PANICULATUM* L. Poaceae.

P-101.

284521. *PASPALUM VIRGATUM* L.

P-177.

**284522 and 284523.**

From the United States. Seeds presented by the University of Florida, Gainesville, Florida. Numbered Oct. 31, 1962.

284522. *DIGITARIA* cf. *ERIANTHA* Steud. Poaceae.

No. 75. Tifton, Georgia.

284523. *PASPALUM ALMUM* Chase Poaceae.

P-39. Beaumont, Texas.

**284524 and 284525.**

From unknown source. Seeds presented by the University of Florida, Gainesville, Florida. Numbered Oct. 31, 1962.

284524. *PASPALUM PANICULATUM* L. Poaceae.

P-219.

284525. *PASPALUM* sp.

P-221.

**284526 to 284530. *ALLIUM SATIVUM* L. Liliaceae. Garlic.**

From Brazil. Bulbs presented by the Instituto Agronomico de Estado de Sao Paulo, Campinas. Received November 1, 1962.

284526. 'Cajano Mostarda Var. 2121'.

284527. 'Cajuru' Var. 2315'.

284528. 'Cateto Roxo Var. 99'.

284529. 'Catetinho Parana Var. 1274'.

284530. 'Lavinia Var. 1632'.

**284531 to 284541. *TRITICUM AESTIVUM* L. Poaceae.**

**Common wheat.**

From Italy. Seeds presented by Dr. M. W. Michahelles, Florence. Received November 1, 1962.

284531. 'Acciaio 141-2B1'.

284537. 'Frassineto 405'.

284532. 'Autonomia B'.

284538. 'Freccia'.

284533. 'Campodoro'.

284539. 'Impeto'.

284534. 'Chianti'.

284540. 'Rondine'.

284535. 'Combine'.

284541. 'Torrenudva'.

284536. 'Firenze'.

**284542 to 284544.**

From Rhodesia. Seeds presented by the Grasslands Research Station, Marandellas. Received November 1, 1962.

284542. *DIGITARIA SMUTSII* Stent Poaceae.

284543. *DIGITARIA SETIVALVA* Stent

Makarikari, Maun.

284544. *DIGITARIA MILANJIANA* (Rendle) Stapf

Shamva.

**284545 to 284553. *TRITICUM AESTIVUM* L. Poaceae.**

**Common wheat.**

From Belgium. Seeds presented by the Office National des Debouches Agricoles et Horticoles, Bruxelles. Received November 1, 1962.

284545. 'Bellevue'.

284547. 'Fylby'.

284546. 'Directeur Yournee'.

284548. 'Hesbignon'.

**284545 to 284553—Continued**

- |                    |                              |
|--------------------|------------------------------|
| 284549. 'Jufy I'.  | 284552. 'Phoebus'.           |
| 284550. 'Jufy II'. | 284553. 'Professor Morehal'. |
| 284551. 'Leda'.    |                              |

**284554 to 284587. VICIA SATIVA L. Fabaceae. Common vetch.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received November 1, 1962.

Originally from Turkey via Germany.

284554. C.P.I. 23640.

284555. C.P.I. 23641.

284556. C.P.I. 23642.

Originally from Germany.

284557. C.P.I. 23643.

284573. C.P.I. 23659.

284558. C.P.I. 23644.

284574. C.P.I. 23660.

284559. C.P.I. 23645.

284575. C.P.I. 23661.

284560. C.P.I. 23646.

284576. C.P.I. 23662.

284561. C.P.I. 23647.

284577. C.P.I. 23663.

284562. C.P.I. 23648.

284578. C.P.I. 23664.

284563. C.P.I. 23649.

284579. C.P.I. 23665.

284564. C.P.I. 23650.

284580. C.P.I. 23666.

284565. C.P.I. 23651.

284581. C.P.I. 23667.

284566. C.P.I. 23652.

284582. C.P.I. 23668.

284567. C.P.I. 23653.

284583. C.P.I. 23669.

284568. C.P.I. 23654.

284584. C.P.I. 23670.

284569. C.P.I. 23655.

284585. C.P.I. 23671.

284570. C.P.I. 23656.

284586. C.P.I. 23672.

284571. C.P.I. 23657.

284587. C.P.I. 23673.

284572. C.P.I. 23658.

**284588 to 284592.**

From the United States. Seeds collected by the United States Forest Service, Ephraim, Utah. Received November 2, 1962.

284588. *PENSTEMON CYANANTHUS* Hook. Scrophulariaceae.

Dahl's Dugway, Ephraim Canyon. Elevation 7,200 feet.

284589. *PENSTEMON EATONII* A. Gray

Dahl's Dugway, Ephraim Canyon. Elevation 7,200 feet.

284590. *PENSTEMON PALMERI* A. Gray

**Palmer penstemon.**

Ephraim Canyon. Elevation 7,000 feet.

284591. *PENSTEMON PLATYPHYLLUS* Rydb.

Farmington Canyon. Elevation 6,500 feet.

284592. *PERAPHYLLUM RAMOSISSIMUM* Nutt. ex Torr. & A. Gray Malacaeae.

East of Nephi. Elevation 6,000 feet.



**284593. AGAVE LECHEGUILLA Torr. Amaryllidaceae.**

From the United States. Seeds collected and presented by D. S. Correll,  
Texas Research Foundation, Renner, Tex. Received Nov. 6, 1962.

Collected in Terrell County.

**284594. BRASSICA OLERACEA var. BOTRYTIS L. Brassicaceae. Cauliflower.**

From Sweden. Seeds presented by the Horticultural Research Station, Alnarp. Received Nov. 7, 1962.

'Stor Dansk'.

**284595 to 284616.**

From Great Britain. Plants purchased from Hillier and Sons, Winchester, Hants, England. Received November 7, 1962.

284595. ABIES GEORGEI Orr Pinaceae.

284596. ABIES PINSAPO Boiss.

'Aurea'.

284597. ABIES × VASCONCELLOSIANA Franco

284598. CHAMAECYPARIS LAWSONIANA (Murray) Parl. Pinaceae.  
Lawson falsecypress.

'Knowlfieldensis'.

284599. CHAMAECYPARIS NOOTKATENSIS (Lambert) Spach.  
Nootka falsecypress.

'Argenteo Variegata'.

284600 and 284601. CHAMAECYPARIS OBTUSA (Sieb. & Zucc.) Endl.  
Hinoki falsecypress.

284600. 'Filiformis'.

284601. 'Mariesii'.

284602. CHAMAECYPARIS OBTUSA f. ALBO-SPICA (Beissn.) Beissn.

284603. CHAMAECYPARIS OBTUSA f. TETRAGONA Rehder

'Intermedia'.

284604. CRYPTOMERIA JAPONICA f. SPIRALIS (Sieb.) Rehder Pinaceae.

'Elongatus'.

284605. CUPRESSUS MACROCARPA Hartw. Pinaceae.

'Gold Crest'.

284606. CUPRESSUS TORULOSA Don Bhutan cypress.  
'Corneyana'.

284607. JUNIPERUS RECURVA Buch.-Ham. ex D. Don Pinaceae.  
Himalayan juniper.

284608. JUNIPERUS WALLICHIANA Hook. f. ex Parl.

284609. PICEA ABIES (L.) Karst. Pinaceae. Norway spruce.  
'Reflexa'.

284610. PICEA BICOLOR var. REFLEXA Shirasawa & Koyama

284611. PINUS GERARDIANA Wall. ex Lamb. Pinaceae.

284612 and 284613. PINUS SYLVESTRIS L. Scotch pine.

284612. 'Beauvronensis'.

284613. 'Compressa'.

**284595 to 284616—Continued**

284614 and 284615. *PSEUDOTSUGA MENZIESII* (Mirb.) Franco Pinaceae.  
Douglas-fir.

284614. 'Glauca Fletcheri'.

284615. 'Nana'.

284616. *SEQUOIA SEMPERVIRENS* (Lamb.) Endl. Pinaceae.  
'Prostrata'.

**284617 to 284620. SACCHARUM (hybrids). Poaceae. Sugarcane.**

From British West Indies. Cuttings presented by the Barbados Sugar Cane Variety Test Station, Bridgetown, Barbados. Received November 8, 1962.

284617. 'B-5736'.

284619. 'B-54163'.

284618. 'B-45151'.

284620. 'B-57150'.

**284621. TRIFOLIUM MEDIUM Huds. Fabaceae. Zigzag clover.**

From New Zealand. Seeds presented by the Department of Science and Industrial Research, Palmerston North. Received November 8, 1962.

No. Z 108. Zig-zag clover.

**284622 to 284653. GOSSYPIUM (hybrids). Malvaceae.**

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Received November 8, 1962.

284622. CB-SP 201.

284638. CB-SP 256.

284623. CB-SP 202.

284639. CB-SP 257.

284624. CB-SP 203.

284640. CB-SP 258.

284625. CB-SP 223.

284641. CB-SP 259.

284626. CB-SP 244.

284642. CB-SP 260.

284627. CB-SP 245.

284643. CB-SP 262.

284628. CB-SP 246.

284644. CB-SP 263.

284629. CB-SP 247.

284645. CB-SP 264.

284630. CB-SP 248.

284646. CB-SP 267.

284631. CB-SP 249-1.

284647. CB-SP 271.

284632. CB-SP 250.

284648. CB-SP 272.

284633. CB-SP 250.

284649. CB-SP 278-1.

284634. CB-SP 252.

284650. CB-SP 283.

284635. CB-SP 253.

284651. CB-SP 293.

284636. CB-SP 254-1.

284652. CB-SP 295.

284637. CB-SP 255.

284653. CB-SP 297-1.

**284654 to 284670. TRITICUM AESTIVUM L. Poaceae.**

**Common wheat.**

From Yugoslavia. Seeds presented by the Faculty of Technology, University of Novi Sad, Novi Sad. Received November 8, 1962.

284654. No. 1.

284660. No. 7.

284655. No. 2.

284661. No. 8.

284656. No. 3.

284662. No. 9.

284657. No. 4.

284663. No. 10.

284658. No. 5.

284664. No. 11.

284659. No. 6.

284665. No. 12.

**284654 to 284670—Continued**

284666. No. 13.

284669. No. 16.

284667. No. 14.

284670. No. 17.

284668. No. 15.

**284671. HIBISCUS CANNABINUS L. Malvaceae.****Kenaf.**

From the Republic of South Africa. Seeds presented by the Tongaat Sugar Company Limited, Maidstone, Natal. Received November 8, 1962.

From species in wild, Tongaat area.

**284672 to 284677.**

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received November 8, 1962.

284672. *BROMUS SYRIACUS* Boiss. & Blanche Poaceae.

No. 52-52. Western Galilee.

284673. *DACTYLIS GLOMERATA* L. Poaceae.**Orchardgrass.**

No. 53-52. Upper Galilee.

284674. *LOTUS PALUSTRIS* Willd. Fabaceae.

No. 28-52. Soil heavy alluvium, Wadi Rubin.

284675. *TRIGONELLA CAELESYRIACA* Boiss. Fabaceae.

No. 46-52. Soil heavy alluvium, Ramat Hasharon. Annual rainfall 600 mm.

284676. *TRIGONELLA STELLATA* Forsk

No. 51-52. Roadside 5 km. south of Tel Yeruham. Soil loess; *Artemisia herba-alba* community. Annual rainfall 90 mm.; a potential arid area forage crop.

284677. *VICIA f. VILLOSA* Roth Fabaceae.

No. 55-52. Swampy area, Wadi Musrara. Soil heavy alluvium; *Glycyrrhiza glabra* community.

**284678 to 284696.**

From Uruguay. Seeds presented by the Facultad de Agronomía, Laboratorio de Botánica, Montevideo, through the United States Embassy, Montevideo. Received November 8, 1962.

284678 to 284680. *DANTHONIA CIRRHATA* Hack. & Arech. Poaceae.

Short, perennial winter grass. Not very productive.

284678. No. 3057. Villa Serrama, Dept. Lavalleja.

284679. No. 3058. Balneario Kiyu, Dept. San Jose.

284680. No. 3059. Balneario Kiyu, Dept. San Jose.

284681 to 284683. *DANTHONIA MONTEVIDENSIS* Hack & Arech.

Short perennial winter grass. Not very productive.

284681. No. 79. Arazati, Dept. San Jose.

284682. No. 90. Balneario Fortin de Sta. Rosa, Dept. Canelones.

284683. No. 3050. Parque Lecocq, Dept. Montevideo.

284684. *DANTHONIA RHIZOMATA* Swallen

No. 3056. Villa Serrana, Dept. Lavalleja. Short perennial winter grass. Not very productive.

284685. *DEYEUXIA ARMATA* (Doell) Parodi Poaceae.

No. 1002. Parque Lecocq, Dept. Montevideo. Perennial winter grass; palatable but not productive.



**284678 to 284696—Continued**

284686 to 284688. *DEYEUXIA SPLENDENS* Brongn.

Perennial winter grass; palatable but not productive.

284686. No. 3096. Dept. Rio Negro.

284687. No. 3214. Dept. Rio Negro.

284688. No. 3273. Estancia Rincon de Francia, Dept. Rio Negro.

284689. *SETARIA ARGENTINA* Herrm. Poaceae.

No. 139. Specific source unknown. Perennial summer grass to 1.5 meters high.

284690 and 284691. *SETARIA CAESPITOSA* Hack. & Arech.

Palatable and productive perennial summer grass of medium height frequently found in virgin fields.

284690. No. 1100. Camino de Reboledo a Colonia Sanchez, four km. from Flordia City, Dept. of Flordia.

284691. No. 1376. Balneario Kiyu, Dept. San Jose.

284692. *SETARIA FIEBRIGII* Herrm.

No. 1199. Frequent in virgin fields, Arroyo Chapicuy, Dept. Paysandu. Palatable and productive perennial summer grass of medium height.

284693 to 284696. *SETARIA GLOBULIFERA* (Steud.) Griseb.

Palatable and moderately productive, but scarce, perennial summer grass growing to 1.8 meters high in moist fields.

284693. No. 51. Specific source unknown.

284694. No. 1575. Km. 57.7, Ruta 24, Dept. Rio Negro.

284695. No. 1597. Km. 396. Ruta 3, Dept. Paysandu.

284696. No. 3833. R. I. U. S. A., San Gregorio, Dept. Artigas.

**284697 to 284703.**

From Sweden. Seeds presented by W. Weibull, Landskrona. Received Nov. 9, 1962.

284697 and 284698. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. **Cauliflower.**

284697. No. 5706. 'Stor Dansk', Weibull's original.

284698. No. 5829. 'Urania', Weibull's original.

284699. *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**

No. 912. 'Favor II'.

284700 and 284701. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**

284700. No. 710. 'London Torg Kampe'.

284701. No. 5961. 'Regulus Imperial'.

284702. *LACTUCA SATIVA* L. Cichoriaceae. **Garden lettuce.**

Sud. 'Urania', Weibull's original.

284703. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

No. 746-60. 'Bakon', Weibull's original. "White bean". Seeds tan colored.

**284704 to 284729.**

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received November 9, 1962.

Collected in the wild.

**284704 to 284729—Continued****284704. LUPINUS ADSURGENS** Drew Fabaceae.

Col. No. 19772. Valley slope, Hearst, Mendocino County, Calif. Elevation 1,700 feet. Biennial or short-lived perennial herb to 20 inches high; stems leafy.

**284705. LUPINUS ALBICAULIS** Dougl. ex Hook.

Col. No. 19798. Roadside Yosemite National Park, one mile south of Chinquapin, Madera, Calif. Elevation 6,200 feet. Perennial to 30 inches high, erect, herbaceous.

**284706. LUPINUS ALBICAULIS** var. **SHASTENSIS** (Heller) C. P. Smith

Col. No. 19790. Roadside, 4 miles northwest of Ahwahnee, road to Mariposa, Calif. Perennial herb to 40 inches high, rank, tender, with several branches; spikes long; flowers purple.

**284707 and 284708. LUPINUS ALBIFRONS** Benth.

**284707.** Col. No. 19755. Roadside, Hwy. 49, 10 miles south of Auburn, Placer County, Calif. Spreading perennial bush to 48 inches high; leaves silvery, canescent; flowers purple.

**284708.** Col. No. 19777. Route 32, 16 miles north of Forest Ranch, Butte County, Calif. Elevation 3,500 feet. Leafy, spreading perennial bush to 24 inches high; crown gray, canescent; spikes upright, to 8 inches long.

**284709 to 284711. LUPINUS ANDERSONII** S Wats.

**284709.** Col. No. 19758. Shady roadbank near Auburn, Placer County, Calif. Elevation 1,500 feet. Perennial herb to 20 inches high; stems leafy.

**284710.** Col. No. 19759. Highway 49, 3 miles south of Grass Valley, Calif. Elevation 1,750 feet. Perennial herb to 24 inches high; stems several, from root crown; flowers whitish.

**284711.** Col. No. 19781. Pine-oak forest along Hwy. 32, Forest Ranch, Butte County, Calif. Perennial herb; flowers white. Entire plants eaten by horses.

**284712. LUPINUS ARBUSTUS** Dougl.

Col. No. 19780. Twenty-two miles south of junction of Hwy. 32 and 89, Tehama County, Calif. Elevation 3,500 feet. Perennial to 30 inches high; taproot strong; flowers lavender.

**284713. LUPINUS BICOLOR** Lindl.

Col. No. 19748. Meadow, south end of Cuyamaca Lake, San Diego County, Calif. Plant to 12 inches high; flowers purple. Abundant winter-spring annual.

**284714. LUPINUS CAUDATUS** Kell.

Col. No. 19800. Roadside in dry sand and volcanic ash, 12 miles north of Tom's Place, Mono County, Calif. Bush perennial to 16 inches high; stems many, from base; flowers white.

**284715 to 284718. LUPINUS CONCINNUS** Agardh

**284715.** Col. No. 19683. Sandy silt valley plain 13 miles east of Chowchilla, road to Raymond, Calif. Abundant, early, spring annual; flowers purple.

**284716.** Col. No. 19692. Roadside 8 miles northwest of Proville, road to Chico, Calif. Abundant winter-spring annual; flowers small, light purple.

**284717.** Col. No. 19743. Colonial in sandy loam fallow field 7 miles southeast of Temecula, Riverside County, Calif. Elevation 1,000 feet. Spring annual to 12 inches high; flowers terminal purple. Abundant.

**284704 to 284729—Continued****284715 to 284718—Continued**

284718. Col. No. 19756. Pilot Hill, El Dorado County, Calif. Elevation 1,100 feet. Spring annual to eight inches high; flowers low, purple.

**284719. LUPINUS HIRSUTISSIMUS Benth.**

Col. No. 19738. Rocky, sunny slope along mountain grade, Santa Isabel, San Diego County, Calif. Elevation 3,000 feet. Erect stooling annual to 32 inches high; flowers dark purple, on long spikes and armed with piercing hairs.

**284720. LUPINUS LATIFOLIUS Agardh**

Col. No. 19774. Wildcat Canyon, Berkeley Hills, Alameda County, Calif. Herbaceous; branches erect, spreading.

**284721 to 284723. LUPINUS LUTEOLUS Kell.**

284721. Col. No. 19724. Rocky roadbank 15 miles north of Raymond along road to Mariposa, Calif. Elevation 1,500 feet. Annual with white flowers.

294722. Col. No. 19757. Gravelly road shoulders, Auburn, Placer County, Calif. Elevation 1,500 feet. Annual to 16 inches high; racemes arching.

284723. Col. No. 19769. Hwy. 20 talus slope, 20 miles west of Williams, Colusa County, Calif. Erect, determinate spring annual to 16 inches high; flowers cream white; spikes and seeds prolific.

**284724. LUPINUS MONTIGENUS Heller**

Col. No. 19799. Dry, sagebrush roadside junction Hwys. 120 and 395, Lee Vining, Mono County, Calif. Elevation 7,150 feet. Wild perennial herb to 24 inches high; many shoots from single crown.

**284725. LUPINUS PACHYLOBUS Greene**

Col. No. 19775. Wildcat Canyon, Berkeley Hills, Alameda County, Calif. Annual herb to 20 inches high, leafy; flowers dark purple; pods fleshy when green.

**284726. LUPINUS STIVERI Kell.**

Col. No. 19797. Granitic soils two miles north of Oakhurst, Madera County, Calif. Elevation 2,800 feet. Tender, annual to 16 inches high; flowers magenta; petals long; pods green.

**284727. LUPINUS sp.**

Col. No. 19725. Seven miles northeast of Raymond, Madera County, Calif., along road to Ahwahnee. Shrub to 6 feet high.

**284728. LUPINUS sp.**

Col. No. 19731. Hayward roadbank, Alameda County, Calif. Annual to 16 inches high; flowers purple.

**284729. LUPINUS sp.**

Col. No. 19740. Grain field Murrieta, Riverside County, Calif. Elevation 1,200 feet. Spring annual growing rankly in sandy loam. White- and purple-flowered forms.

**284730 to 284732. HUMULUS LUPULUS L. Moraceae.****Common hop.**

From Great Britain. Cuttings presented by the East Malling Research Station, Maidstone, Kent, England. Received November 14, 1962.

284730. 'Defender-D3'.

284731. 'Density-D1'.

284732. 'Janus-J2'.



**284733. ASTREBLA sp. Poaceae.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Nov. 14, 1962.

**284734 and 284735.**

From India. Seeds collected by I. E. Stokes, Crops Research Division, Beltsville, Md. Received Nov. 14, 1962.

**284734. SORGHUM SUBGLABRESCENS** (Steud.) Schweinf. & Aschers. Poaceae.

Co. 18. Ninety-five days to maturity.

**284735. SORGHUM ROXBURGHII** (Hack.) Stapf

Co. 19. One hundred and forty-five days to maturity.

**284736. SORGHUM BICOLOR (L.) Moench Poaceae.**

From Kenya. Seeds collected by I. E. Stokes, Crops Research Division, Beltsville, Md. Received Nov. 14, 1962. Chemilel Estate.

**284737 to 284757. HORDEUM SPONTANEUM K. Koch Poaceae.**

From Israel. Seeds presented by the Faculty of Agriculture, Rehovot. Received November 14, 1962.

**284737.** No. 10040.

**284748.** No. 20003.

**284738.** No. 10041.

**284749.** No. 20004.

**284739.** No. 10042.

**284750.** No. 20005.

**284740.** No. 11031.

**284751.** No. 20006.

**284741.** No. 11033.

**284752.** No. 20007.

**284742.** No. 11035.

**284753.** No. 20008.

**284743.** No. 11036.

**284754.** No. 20009.

**284744.** No. 11037.

**284755.** No. 20011.

**284745.** No. 18001.

**284756.** No. 20014.

**284746.** No. 20001.

**284757.** No. 20015.

**284747.** No. 20002.

**284758 to 284772.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received November 14, 1962.

**284758 and 284759. LEUCAENA LEUCOCEPHALA** (Lam.) de Wit. **Mimosa-  
ceae. Leadtree.**

Countries of original collection other than Australia are indicated.

**284758.** C.P.I. 18228. Guatemala.

**284759.** C.P.I. 18624. Hawaii.

**284760. LOTONONIS ANGOLENSIS** Welw. ex Baker **Fabaceae.**

C.P.I. 26293. N. Rhodesia.

**284761. LOTSU MEARNsii** Britton. **Fabaceae.**

C.P.I. 20741. Kenya.

**284762 to 284767. PANICUM MAXIMUM** Jacq. **Poaceae. Guineagrass.**

**284762.** C.P.I. 6563. S. Rhodesia.

**284765.** C.P.I. 17115. Nigeria.

**284763.** C.P.I. 16327. Portugal.

**284766.** C.P.I. 18415. N. Rhodesia.

**284764.** C.P.I. 16723. S. Africa.

**284767.** C.P.I. 23725. S. Africa.

## 284758 to 284772—Continued

284768. *PASPALUM ROJASII* Hack. Poaceae.

C.P.I. 24935. S. America.

284769 and 284770. *PENNISETUM PEDICELLATUM* Trin. Poaceae.

284769. C.P.I. 22617. Nigeria.

284770. C.P.I. 22618. Nigeria.

284771 and 284772. *PHASEOLUS LATYHROIDES* L. Fabaceae.

284771. C.P.I. 520.

284772. C.P.I. 26667.

284773. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**

From Sweden. Seeds presented by W. Weibull, Landskrona. Received November 15, 1962.

No. 6068. 'Regulus Imperial' Weibull's original.

284774. *ACACIA MELANOXYLON* R. Br. ex Ait. Myrtaceae. **Blackwood acacia.**

From Argentina. Seeds presented by the Division de Exploraciones e Introduccion de Plantas, Department of Agricultura, Buenos Aires. Received November 15, 1962.

'Acacia Negra'.

284775 and 284776. *MYRICA RUBRA* Sieb. & Zucc. Myricaceae. **Waxmyrtle.**

From Japan. Seeds presented by the Horticultural Section. Ministry of Agriculture and Forestry, Tokyo. Received November 15, 1962.

284775. 'Hinode' ('Sunrise') or 'Kogyoku' ('Red Jewel'). Originated in Komatsu-Jima City, Tokushima Pref. Early variety, matures from mid-to-late June. Berries blackish red, nearly tasteless.

284776. 'Oni' or 'Awa-nichiki'. Awa is former name of Tokushima Pref. Nishiki means brocade. Originated in Komatsu-Jima City, Tokushima Pref. late 17th century. Midseason variety maturing in late June and early July. Berries black with golden luster, large, moderate sweet and sour.

## 284777 to 284785.

From Australia. Seeds presented by the Botanic Garden, Adelaide, South Australia. Received November 15, 1962.

284777. *ACACIA LONGIFOLIA* (Andrews) Willd. Mimosaceae. **Sydney wattle.**

284778. *CAESALPINIA GILLIESII* (Hook.) Wall. ex Loefgren Caesalpinia-ceae.

284779. *DIANELLA CAERULEA* Sims. Liliaceae.

284780. *DIANELLA REVOLUTA* R. Br.

284781. *DIANELLA TASMANICA* Hook. f.

284782. *EUCALYPTUS NIPHOPHILA* Maiden & Blakely Myrtaceae.

284783. *ILEX PARAGUARIENSIS* St. Hil. Aquifoliaceae. **Yerba mate.**

284784. *MAHONIA WILCOXII* Rehder Berberidaceae.

284785. *VIBURNUM HARRYANUM* Rehder Caprifoliaceae.

**284786. BRASSICA NIGRA (L.) Koch Brassicaceae.****Black mustard.**

From Ethiopia. Seeds collected by F. G. Meyer, agricultural explorer, Crops Research Division, Plant Industry Station, Beltsville, Md. Received November 15, 1962.

Col. No. 7436. Common, 58 km. south of Addis Ababa, latitude 8° N. longitude 39° E., Shoa province. A much-branched, coarse annual to 2 meters high; base woody, to 12 mm. thick; stems with a mild flavor of mustard; leafy towards base; flowers bright yellow.

**284787 to 284856.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Nov. 15, 1962.

Countries of original collection other than Australia as indicated.

**284787. BRACHARIA RUZIZIENSIS Germain & Evrard. Poaceae.**

C.P.I. 18116. Belgian Congo.

**284788. BROMUS WILLDENOWII Kunth Poaceae.****Rescuegrass.**

Q 423. 'Priebes Perennial'.

**284789. CANAVALIA ENSIFORMIS (L.) DC. Fabaceae.****Jackbean.**

C.I.P. 17435. Anglo-Egyptian Sudan.

**284790 to 284794. CHLORIS GAYANA Kunth Poaceae.****Rhodesgrass.**

284790. C.P.I. 12779. Uganda.

284791. C.P.I. 16885. Uganda.

284792. C.P.I. 24251. Senegal.

284793. C.P.I. 24508. India.

284794. C.P.I. 25287. S. Africa.

**284795. DACTYLIS GLOMERATA L. Poaceae.****Orchardgrass.**

V-186. 'Currie'.

**284796. DESMODIUM CANUM (Gmel.) Schinz & Thell. Fabaceae.****Kaimi-clover.**

C.P.I. 18225. Hawaii.

**284797. DESMODIUM UNCINATUM (Jacq.) DC.**

C.P.I. 8990. 'Rajadao'. Brazil.

**284798. DOLICHOS AXILLARIS E. Mey. Fabaceae.**

C.P.I. 17814. Kenya.

**284799 to 284802. DOLICHOS LABLAB L.****Hyacinth-bean.**

284799. C.P.I. 16880. Kenya.

284801. C.P.I. 23551. Malaya.

284800. C.P.I. 16881. Kenya.

284802. C.P.I. 24616. China.

**284803. EHRHARTA CALYCINA J. E. Smith Poaceae. Perennial veldtgrass.**

V-163. 'Unarlee' strain.

**284804 to 284813. GLYCINE JAVANICA L. Fabaceae.**

284804. C.P.I. 13300. S. Rhodesia.

284805. C.P.I. 16417. Nigeria.

284806. C.P.I. 16673. S. Rhodesia.

284807. C.P.I. 16830. S. Africa.

284808. C.P.I. 17185. Nigeria.

284809. C.P.I. 17673. S. Rhodesia.



## 284787 to 284856—Continued

## 284804 to 284813—Continued

284810. C.P.I. 18103. Brazil.

284811. C.P.I. 18419. 'Choma' strain. N. Rhodesia.

284812. C.P.I. 23411. Cuba.

284813. C.P.I. 25333. Kenya.

284814 to 284816. GLYCINE MAX (L.) Merr.

Soybean.

284814. C.P.I. 15433. Sudan.

284815. C.P.I. 20809. Malaya.

284816. C.P.I. 20812. Malaya.

284817. INDIGOFERA ECHINATA Willd. Fabaceae.

C.P.I. 17183. Nigeria.

284818. INDIGOFERA SPICATA Forsk.

C.P.I. 24205. Ghana.

284819. ISCHAEMUM AUSTRALE R. Br. Poaceae.

W. 771.

284820. LEPTOLOMA PAPPOSA (R. Br.) Hpghes Poaceae.

W. 788.

284821 to 284826. LOLIUM PERENNE L. Poaceae.

Perennial ryegrass.

284821. N. 623. Irish commercial.

284822. N. 624. Ayrshire commercial.

284823. V. 159. New Zealand mother strain.

284824. V. 160. 'Kyneton'.

284825. V. 161. 'Clunes'.

284826. V. 162. 'Colac'.

284827. PANICUM MAXIMUM Jacq. Poaceae.

Guineagrass.

Q. 425.

284828 to 284839. CENCHRUS CILIARIS L. Poaceae.

Buffelgrass.

284828. C.P.I. 13373. S. Rhodesia.

284829. C.P.I. 13374. S. Rhodesia.

284830. C.P.I. 13664. India.

284831. C.P.I. 14365. S. Africa.

284832. C.P.I. 15370. Sudan.

284833. C.P.I. 18224. British Cameroons.

284834. C.P.I. 18837. Morocco.

284835. C.P.I. 24507. India.

284836. C.P.I. 26687. Pakistan.

284837. N. 559. 'Biloela'.

284838. Q. 412. 'Gayndak'.

284839. Q. 413. 'Western Australian'.

284840. POA cf. NEMORALIS L. Poaceae.

C.P.I. 22319. U.S.S.R.

284841. SECALE MONTANUM Guss. Poaceae.

C.P.I. 22756. Germany.

## 284787 to 284856—Continued

284842. *SECALE VAVILOVII* Grossh.

C.P.I. 23286. 'Nemelorsrag'. Hungary.

284843 to 284852. *SESBANIA SERICEA* (Willd.) DC Fabaceae.

284843. C. 895.

284848. Q. 272.

284844. C. 972.

284849. W. 654.

284845. Q. 256.

284850. W. 660.

284846. Q. 268.

284851. W. 785.

284847. Q. 271.

284852. W. 813.

284853. *STIPA HYALINA* Nees Poaceae.

C.P.I. 9729. Uruguay.

284854. *TRIFOLIUM FRAGIFERUM* L. Fabaceae.

Strawberry clover.

V. 111. O'Connor strain.

284855. *TRIFOLIUM MARITIMUM* Huds.

S. 208.

284856. *TRIFOLIUM SUBTERRANEUM* L.

Subterranean clover.

V. 167 'Bacchus Marsh'.

284857. *STENOTAPHRUM SECUNDATUM* (Walt.) Kuntze. Poaceae.  
St. Augustine grass.From Honduras. Plants presented by the Lancetilla Botanical Gardens, Tela.  
Received November 16, 1962.

## 284858 to 284864.

From Poland. Seeds presented by the Institut Hodowli i Aklimatyzacji Roslin, Odansk-Wrzeszoz. Received November 16, 1962.

284858. *BRASSICA HIRTA* Moench. Brassicaceae.

White mustard.

284859. *BRASSICA NAPUS* var. *OLEIFERA* DC.

Rape.

'Annua'.

284860. *CAMELINA SATIVA* (L.) Crantz Brassicaceae.

'Oleifera'.

284861. *CRAMBE ABYSSINICA* R. E. Fries Brassicaceae.284862. *HELIANTHUS ANNUUS* L. Asteraceae.

Sunflower.

'Oleifera'.

284863. *LINUM USITATISSIMUM* L. Linaceae.

Flax.

'Oleifera'.

284864. *PAPAVR SOMNIFERUM* L. Papaveraceae.

Opium poppy.

'Caesium'.

284865 to 284867. *PUERARIA PHASEOLOIDES* (Roxb.) Benth. Fabaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Nov. 16, 1962.

284865. C.P.I. 26461.

284866. C.P.I. 30028.

284867. C.P.I. 30156.

**284868 and 284869.**

From Denmark. Seeds presented by the Universitetets Botaniske Have, Copenhagen. Received Nov. 16, 1962.

**284868.** AGROPYRON DESERTORUM (Fisch. ex Link) Schult. Poaceae.  
Standard wheatgrass.

**284869.** AGROPYRON LITTORALE (Host.) Dum.  
From the West Danish Isles.

**284870 to 284872.** CITRUS SINENSIS (L.) Osbeck Rutaceae.  
**Orange.**

From Spain. Cuttings presented by the United States Embassy, Madrid. Received Nov. 19, 1962.

From the Valencia area.

**284870.** 'Navelate'.

**284871.** 'Navelina'. Thomson-like shape. From Nules, Castellon.

**284872.** 'Navelina'. Pear-shape No. 1. From Museros, 12 kms. north of Valencia.

**284873 to 284876.** GLYCINE MAX (L.) Merr. Fabaceae.  
**Soybean.**

From Japan. Seeds presented by the Faculty of Agriculture, Tohoku University, Sendai. Received Nov. 19, 1962. Black-seeded varieties.

**284873.** Nakei No. 1. Improved variety. Crossed at Chiba Natl. Inst. of Animal Industry, 1954.

**284874.** Nakei No. 5. Collected at Mie-Ken, 1953.

**284875.** Nakei No. 17. Selected from 'Oobatzurumame'.

**284876.** Nakei No. 19. Improved variety.

**284877 to 284946.**

From the Republic of Upper Volta. Seeds collected by J. H. Martin, Agricultural Research Service, Plant Industry Station, Beltsville, Md. Received Nov. 19, 1962.

**284877.** CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae.  
**Watermelon.**

From Farako-Ba. A white-seeded, yellow-fleshed watermelon with a citric acid flavor.

**284878 and 284879.** KERSTINGIELLA GEOCARPA Harms Fabaceae.

**284878.** Saria No. 3. 'Black Leo'. Village of Leo, eastern region.

**284879.** Saria No. 4. 'Maroon Leo'. Village of Leo, eastern region.

**284880 to 284911.** PENNISETUM TYPHOIDES (Burm.) Stapf & Hubbard Poaceae.

**284880.** Farako-Ba No. 10 AB. Provenance Mina, western region. A late millet with well-shaped, short spike.

**284881.** Farako-Ba No. 17 AB. Provenance Kangala. A late variety; stalks strong.

**284882.** Farako-Ba No. 25 AB. Kotoura, western region. A late vegetative variety maturing in about 5 months.

**284883.** Farako-Ba No. 38 AB. Toussiana, western region.

**284884.** Farako-Ba No. 58 AB. Nafona, western region. Very late variety.

**284885.** Farako-Ba No. 73 AB. Niangoloko, western region.



**284877 to 284946—Continued****284880 to 284911—Continued**

- 284886. Farako-Ba No. 87 AB. Soubaga, western region. Late variety.
  - 284887. Farako-Ba No. 106 AB. Oulokoto Provenance. Late variety.
  - 284888. Farako-Ba No. 117 AB. Sideradougou, western region. Matures in about 120 days.
  - 284889. Farako-Ba No. 143 AB. Kampti, western region. Late variety.
  - 284890. Farako-Ba No. 178 AB. Diebougon, western region. Late variety, ears long, large; seeds very starchy.
  - 284891. Farako-Ba No. 182 AB. Diebougon, western region. Matures in 90 to 100 days.
  - 284892. Farako-Ba No. 196 AB. Kouai, western region. Early variety; matures in 120 days.
  - 284893. Farako-Ba No. 199 AB. Guegnere, western region.
  - 284894. Farako-Ba No. 207 AB. Foanzan, western region.
  - 284895. Farako-Ba No. 210 AB. Foanzan, western region. Late variety; seed small.
  - 284896. Farako-Ba No. 211 AB. Foanzan, western region. Seeds large.
  - 284897. Farako-Ba No. 216 AB. Pa, western region. Very late variety.
  - 284898. Farako-Ba No. 230 AB. Koriba, western region. Late variety.
  - 284899. Saria No. 24. 'Kassablega'. Pedegha, eastern region.
  - 284900. Saria No. 25. 'Kirmague'. Seloghin, eastern region.
  - 284901. Saria No. 26. 'Sagnio'. Karaborola, western region.
  - 284902. Saria No. 77. Koubel-Alfa, eastern region.
  - 284903. Saria No. 78.
  - 284904. Saria No. 79. Friguinde, eastern region.
  - 284905. Saria No. 80. Sourou, eastern region.
  - 284906. Saria No. 81. Dori, eastern region.
  - 284907. Saria No. 83. 'Mian II'. Sibi, western region.
  - 284908. Saria No. 84. 'Sanko'. Pompoi, western region.
  - 284909. Saria No. 85. 'Sikagnon'. Pompoi, western region.
  - 284910. Saria No. 86. 'Sikagnon'. Pompoi, western region.
  - 284911. Saria No. 87. 'Milossio'. Bagassi, western region.
- 284912 to 284938. VOANDZEIA SUBTERRANEA (L.) Thouars Fabaceae.**
- 284912. No. 10. 'Pois Noir'. Kombissiri, eastern region.
  - 284913. Farako-Ba No. 12 AB. Signana, western region. A cultivated creeping variety. Matures in 150 days.
  - 284914. Farako-Ba No. 13 AB. Mina, western region.
  - 284915. Farako-Ba No. 36 AB. Toussiana, western region. A catch-crop; matures in 90 days.
  - 284916. Farako-Ba No. 69. AB. Signana, western region.
  - 284917. Farako-Ba No. 100 AB. Sindou, western region. Early variety grown for its nutritious food.
  - 284918. Farako-Ba No. 101 AB. Sindou, western region. Early variety.
  - 284919. Farako-Ba No. 126 AB. Fo, western region. Matures in 3 months.

## 284877 to 284946—Continued

## 284912 to 284938—Continued

284920. Farako-Ba No. 170 AB. Goona, western region.  
 284921. Farako-Ba, No. 222 AB. Pa, western region. Early creeping variety.  
 284922. Farako-Ba No. 239 AB. Fo, western region. Matures in 3 months.  
 284923. Saria No. 2. 'Konkin-Nepougto'. Ouahigouya, eastern region.  
 284924. Saria No. 5. 53-6. Mbambey (Senegal).  
 284925. Saria No. 8. 'Soum Pelaga' or 'Bisnare'. Kombissiri Prov.  
 284926. Saria No. 15. 'Soum Kodinga'. Eastern region.  
 284927. Saria No. 17. 53-3. Mbambey Prov.  
 284928. Saria No. 25. 'Soum-Kamana'. Fanka, eastern region.  
 284929. Saria No. 48. 50-31. Tarna Prov.  
 284930. Saria No. 59. 50-34B. Tarna Prov.  
 284931. Saria No. 62. 53-3E. Tarna Prov.  
 284932. Saria No. 73. 190. Tarna Prov.  
 284933. Saria No. 80. 182-4. Tarna Prov.  
 284934. Saria No. 84. 120. Tarna Prov.  
 284935. Saria No. 133. 118. Tarna Prov.  
 284936. Saria No. 134. 53-9. Tarna Prov.  
 284937. Saria No. 139. 215. Tarna Prov.  
 284938. Saria No. 144. 177/1. Tarna Prov.

## 284939 to 284946. ZEA MAYS L. Poaceae.

Corn.

284939. Farako-Ba No. 56 AB. Banfora, western region. Late variety, matures in 90 days.  
 284940. Farako-Ba No. 83 AB. Soubaka, western region.  
 284941. Farako-Ba No. 146 AB. Loropeni, western region. Very sweet, early variety.  
 284942. Farako-Ba No. 156 AB. Loropeni, western region. Early sweet variety.  
 284943. Farako-Ba No. 193 AB. Karangasso, western region. Early variety.  
 284944. Farako-Ba No. 245 AB. Koundougou, western region. Cultivated for the market-garden.  
 284945. Farako-Ba No. 260 AB. Karangasso, western region. Good yielding early variety.  
 284946. Farako-Ba No. 262 AB. Karangasso, western region. Red corn; yield good.

## 284947 to 284963. GOSSYPIUM (hybrids). Malvaceae.

From Argentina. Seeds presented by the Instituto Nacional de Tecnologia Agropecuaria, Buenos Aires. Received Nov. 20, 1962. Marie Galante types. Country of origin as indicated.

284947. CAT-SP 1. 'Miraflores'. Miraflores, Dept. de Boyaca, Colombia.  
 284948. CAT-SP 3. 'La Misericordia'. La Misericordia Antioqufa, Colombia.  
 284949. CAT-SP 4. 'Hibrido Nativo de la Costa No. 18'. Sabanalarga, Dept. del Atlantico, Colombia.

**284947 to 284963—Continued**

284950. CAT-SP 5. 'Pajarito'. Dorada, Caldas, Colombia.

284951. CAT-SP 6. 'Hibrido Nativo de la Costa'. Barranquilla, Dept. del Atlantico, Colombia.

284952. CAT-SP 13. 'Moco MF10'. Rio Grande del Norte, Brazil.

284953. CAT-SP 14. 'Moco MF14'. Rio Grande del Norte, Brazil.

284954. CAT-SP 15. 'Moco MF84'. Rio Grande del Norte, Brazil.

284955. CAT-SP 16. 'Moco P55'. Rio Grande del Norte, Brazil. New strains of Saenz Pena.

284956. SP 090. From *G. arboreum*, *G. thurberi* and *G. hirsutum*.

284957. SP 923. Glabrous plants with D2 smoothness from *G. hirsutum*, and *G. armourianum*.

284958. SP 926. Glabrous plants with D2 smoothness from *G. hirsutum*, *G. arboreum* and *G. armourianum*.

F hybrids between 'Pima S-2' or 'Coastland RN' and southern *G. barbadense*.

284959. SP 181. 'Coastland RN' × 'Diaguita'.

284960. SP 199. CB-SP 199 (Mataco) × 'Pima S-2'.

284961. SP 1005. CB-SP 159 (Guarani) × 'Pima S-2'.

284962. SP 1012. CB-SP 157 (Guarani) × 'Pima S-2'.

284963. SP 1018. CB-SP 173 (Guarani) × 'Pima S-2'.

**284964. CROTALARIA JUNCEA L. Fabaceae.**

**Sunn-hemp.**

From Colombia. Seeds presented by the Instituto de Investigaciones Tecnológicas, Bogota. Received Nov. 20, 1962.

**284965 to 284968.**

From Great Britain. Plants presented by the Royal Botanic Gardens, Kew, England. Received August 14, 1962. Numbered Nov. 20, 1962.

284965. CALLOPSIS VOLKENSIS Engl. Araceae.

284966. PELARGONIUM sp. Geraniaceae.

'Gustave Emich'.

284967. PELARGONIUM sp.

Without label.

284968. PSEUDODRACONTIUM HARMANDII Engl. Araceae.

'Siamense'.

**284969 and 284790.**

From the Union of Soviet Socialist Republics. Seeds obtained and presented by the Wisconsin Agricultural Experiment Station, Madison. Numbered November 20, 1962.

284969. MELILOTUS ALBA Desr. Fabaceae.

**White sweetclover.**

Wisconsin Accession 15. Obtained from Rostov-on-Don, from which plants with resistance to *Phytophthora* root rot were selected. Used in breeding 'Denta', a low coumarin variety.

284970. MELILOTUS DENTATA (Waldst. & Kit.) Pers.

Wisconsin Accession No. 91. Obtained from Saratov, through the Bureau of Plant Industry, Leningrad. Contributed low coumarin genes to variety 'Denta'.



**284971 to 285002. SORGHUM BICOLOR (L.) Moench Poaceae.**  
**Sorghum.**

From Argentina. Seeds presented by the Estacion Experimental Agropecuaria de Manfredi, Manfredi, to the Georgia Agricultural Experiment Station, Experiment, Ga. Numbered Nov. 20, 1962.

- 284971. S.G. 1716. 'Adjigoni'.
- 284972. S.G. 1711. 'Arbaona'.
- 284973. S.G. 1487. 'Alpha'.
- 284974. S.G. 1479. 'Birdproof'.
- 284975. S.G. 1481. 'Barnard Red'.
- 284976. S.G. 1220. 'Djarto Kogolo'.
- 284977. S.G. 1215. 'Damatayoum'.
- 284978. S.G. 1216. 'Dakok'.
- 284979. S.G. 1430. 'Feterita Pergamino'.
- 284980. S.G. 1483. 'Framida'.
- 284981. S.G. 402. 'Grohoma La Estanzuela'.
- 284982. S.G. 407. 'Grohoma Leg. MAN'.
- 284983. S.G. 1211. 'Godgi'.
- 284984. S.G. 1218. 'Galia'.
- 284985. S.G. 1717. 'Iakm'.
- 284986. S.G. 1219. 'Kounan'.
- 284987. S.G. 1715. 'Kanga'.
- 284988. S.G. 1718. 'Kourniana'.
- 284989. S.G. 1719. 'Kansara'.
- 284990. S.G. 1212. 'Mandara'.
- 284991. S.G. 1214. 'Madara'.
- 284992. S.G. 1195. 'Mweru Type'.
- 284993. S.G. 1213. 'Nadjada'.
- 284994. S.G. 1217. 'Nadjada Aingoni'.
- 284995. S.G. 1209. 'Panhare'.
- 284996. S.G. 1484. 'Radar'.
- 284997. S.G. 1210. 'Urtchinn'.
- 284998. S.G. 1429. 'Hegari Saenz Pena'.
- 284999. S.G. 1721. 'Napalpi'.
- 285000. S.G. 1275. 'Mandredi Cholila'.
- 285001. S.G. 383. 'Manfredi Minu'.
- 285002. S.G. 1427. 'Oliveros Carcarana MAG'.

**285003 to 285037.**

From Mexico. Tubers collected by Donald Ugent, Rockefeller Foundation-University of Wisconsin collector. Collected August and September. Received Nov. 20, 1962.

**285003 and 285004. SOLANUM (hybrids). Solanaceae.**  
*S. stoloniferum* × *S. tuberosum*.

**285003.** No. 1805. Mt. Punguato, Morelia. Flowers purple with short acumens; berries abundant; tubers white with red eyes.

**285003 to 285037—Continued**

**285004.** No. 1821. Mt. Punguato, Morelia. Elevation 7,050 feet. Flowers purple with short acumens; berries abundant; tubers white with red eyes.

**285005 to 285023.** *SOLANUM TUBEROSUM* L.

Collected at Nevada de Toluca.

**285005.** No. 1020. 'Creole'. Elevation 10,973 feet. Flowers white.

**285006.** No. 1021. 'Creole'. Elevation 10,973 feet. Flowers pink.

**285007.** No. 1022. 'Creole'. Elevation 10,973 feet.

**285008.** No. 1086. 'Mexicana'. Elevation 11,000 feet.

**285009.** No. 1087. 'Chicalota'. Elevation 11,000 feet. Flowers white; tubers yellow flesh.

**285010.** No. 1088. 'Chata'. Elevation 10,973 feet. Flowers small reddish purple; anthers yellow green.

**285011.** No. 1092. 'Apastillado'. Elevation 11,000 feet.

**285012.** No. 1093. 'Chinahuapa'. Elevation 10,973 feet. Flowers pink; tubers white skinned.

**285013.** No. 1984. 'Boluda'. Elevation 10,973 feet. Flowers purple; tubers red.

**285014.** No. 1095. 'Amarilla'. Elevation 10,973 feet. Flowers purple; tubers red.

**285015.** No. 1096. 'Neja'. Flowers pink with white tips.

**285016.** No. 1097. 'Morada Mexicana'. Elevation 11,000 feet.

**285017.** No. 1098. 'Caldera'. Elevation 10,973 feet.

**285018.** No. 1099. 'Leona'. Elevation 10,973 feet. Flowers dark purple; tubers white with red eyes.

Collected Pico de Oriyaba, Puebla State, below Tasmalaquilla.

**285019.** No. 3226. 'Blanca'. Elevation 9,740 feet.

**285020.** No. 3227. 'Chata-mestiya'. Elevation 9,740 feet.

**285021.** No. 3228. 'Chata'. Elevation 9,740 feet.

**285022.** No. 3229. 'Chata-cuerda'. Elevation 9,740 feet.

**285023.** No. 3230. 'Colorado'. Elevation 9,740 feet.

**285024.** *SOLANUM BULBOCASTANUM* Dun.

No. 1720. Mt. Punguato, Morelia. Elevation 7,160 feet.

**285025 and 285026.** *SOLANUM CARDIOPHYLLUM* Lindl.

**285025.** No. 2002. Km. 329 on highway 15, about 10 km. west of Morelia, near Cerro de Aquila. Elevation 6,560 feet.

**285026.** No. 2152. Uruetaro, 4.6 miles east of Sarimbaro, near Morelia, Michoacan State. Elevation 6,891 feet.

**285027.** *SOLANUM CARDIOPHYLLUM* var. *ENDOIODANDRUM* Bitt.

No. 2917. One mile west of Km. 568 on the Pan American Highway, about 10 miles south of Oaxaca. Petals white with a bluish tip.

**285028 to 285030.** *SOLANUM EDINENSE* Berthault

Collected Nevada de Toluca.

**285028.** No. 1004. 'Papa Morada'. Elevation 10,973 feet.

**285029.** No. 1494. 'Papa Morada'. Elevation 10,973 feet.

**285030.** No. 1514. 'Papa Morada'. Elevation 11,323 feet. Plant small; numerous berries.

**285003 to 285037—Continued****285031. SOLANUM MALINCHENSE** Hawkes

No. 1334. Mt. Malinche, approached from Huamantla. Elevation 9,512 feet. Berries very few; tubers red.

**285032. SOLANUM MORELLIFORME** Bitter & Muench.

No. 2621. Pto. del Aire, above Acultyingo, Veracruz State.

**285033. SOLANUM PINNATISECTUM** Dun.

No. 1924. Km. 10, west of Morelia, Km. 329 on highway 15 near Cerro del Aquila. Elevation 6,560 feet.

**285034. SOLANUM SEMIDEMISSUM** Buk.

No. 1678. 'Papa Morada'. Nevada de Toluca. Elevation 10,973 feet. Tubers reddish.

**285035 and 285036. SOLANUM STOLONIFERUM** Schlecht.

Pto. del Aire, above Acultyingo, Veracruz State.

**285035.** No. 2657. Flowers dark purple.**285036.** No. 2812. Elevation 7,500 feet. Flowers deep purple.**285037. SOLANUM VERRUCOSUM** Schlecht.

No. 1400. Mt. Malinche, approached from Huamantla. Elevation 10,958 feet. Fruits oval, with small white dots.

**285038. DAUCUS BRACHIATUS** Sieber ex DC. **Apiaceae.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received November 21, 1962.

C. 1145.

**285039 to 285043. SORGHUM BICOLOR (L.) Moench Poaceae.****Sorghum.**

From Nigeria. Seeds presented by the Regional Research Station, Ministry of Agriculture, Zaria. Received November 21, 1962.

From northern Nigeria.

**285039.** BO 20.**285042.** KO 8.**285040.** BO 35.**285043.** KO 25.**285041.** BO 41.**285044 to 285046. MEDICAGO SATIVA L. Fabaceae.****Alfalfa.**

From the Republic of South Africa. Seeds presented by the Department of Agricultural Technical Services, Pretoria. Received November 23, 1962.

**285044.** 'Lucerne' 7711/62. Code 1/829. Klein Karoo Koop.**285045.** 'Lucerne' 7712/62. Code 1/830. Klein Karoo Koop.**285046.** 'Lucerne' 7713/62. Code 1/831. Klein Karoo Koop.**285047. TRIFOLIUM MEDIUM** Huds. **Fabaceae. Zigzag clover.**

From New Zealand. Root cuttings presented by the Winchmore Irrigation Research Station, Ashburton. Received Nov. 26, 1962.

**285048 to 285057.**

From Great Britain. Plants purchased from Hillier &amp; Sons, Winchester, England. Received Nov. 27, 1962.

**285048. BERBERIS TELOMAICA** Ahrendt **Berberidaceae.****Barberry.****285049. BUDDLEIA COLVILEI** Hook. f. **Loganiaceae.**



**285048 to 285057—Continued**

285050. *BUDDLEIA FALLOWIANA* Balf. f. & W. W. Smith

285051. *GENISTA VILLARSII* Clementi Fabaceae.

285052. *PRUNUS TENELLA* Batsch Amygdalaceae. Russian almond.  
'Firehill'.

285053. *PRUNUS TENELLA* f. *ALBA* (Schneid.) Rehder

285054. *ROSA* × *HIGHDOWNENSIS* Hillier Rosaceae.

285055 and 285056. *SALIX LANATA* L. Salicaceae.

285055. No varietal name.

285056. 'Stuartii'.

285057. *SORBUS REDUCTA* Diels Malaceae.

**285058 and 285059. FRAGARIA (hybrids) Rosaceae.**

From Germany. Plants presented by the Zuchtgarten Wulfsdorf der Sengana, Hamburg-Volksdorf. Received Nov. 27, 1962.

285058. 'Senga Gigana'.

285059. 'Senga Precosa'.

**285060. QUERCUS ACUTISSIMA Carruthers Fagaceae.**

From Korea. Seeds presented by the Institute of Forest Genetics, Suwon, Kyunggio-do. Received Nov. 27, 1962.

From 40-year-old trees in the Suwon Arboretum.

**285061 and 285062. BRASSICA OLERACEA var. BOTRYTIS L. Brassicaceae. Cauliflower.**

From Denmark. Seeds presented by L. Daehnfeldt, Limited, Odense. Received Nov. 29, 1962.

285061. 'Dania'.

285062. 'Dominant'.

**285063. TRIFOLIUM MATTIROLIANUM Chiov. Fabaceae.**

From Ethiopia. Seeds presented by I. E. Siegenthaler, Jimma. Received Nov. 29, 1962.

A self-seeding annual at Jimma.

**285064. ORYZOPSIS HOLCIFORMIS (Bieb.) Hack. Poaceae.**

From the Union of Soviet Socialist Republics. Seeds presented by the Hortus Botanicus Nikitensis, Yalta, Tauria. Received Nov. 29, 1962.

**285065 and 285066.**

From Germany. Seeds presented by the Staatliche Lehr- und Forschungsanstalt für Gartenbau in Weihenstephan, Weihenstephan. Received Nov. 29, 1962.

285065. *SALVIA SUPERBA* Stapf Menthaceae.

'Mainacht'.

285066. *SCABIOSA* sp. Dipsacaceae.

Received as *S. rumelica*.

**285067. TRITICUM AESTIVUM L. Poaceae. Common wheat.**

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico D.F. Received Nov. 29, 1962.

**285068. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.**

From the Philippines. Seeds presented by the Bureau of Plant Industry, Department of Agriculture and Natural Resources. Received Nov. 29, 1962.

'Nagcarlan'. Sets fruit at high temperatures.

**285069 to 285078. ORYZA SATIVA L. Poaceae.****Rice.**

From Thailand. Seeds presented by the Rice Department, Ministry of Agriculture, Bangkok. Received Nov. 29, 1962.

Glutinous varieties.

285069. 'Dawk Prow'.

285074. 'Nahng Sawm'.

285070. 'Gaen Ma-Gawk'.

285075. 'Nawn'.

285071. 'Gaew Lai'.

285076. 'Ngah Chahng'.

285072. 'Gam-Pai'.

285077. 'Pah Daen'.

285073. 'Lai Luaung'.

285078. 'Pah Leuad'.

**285079 to 285088.**

From France. Seeds presented by the Station Centrale de Genetique et d'Amelioration des Plantes, Versailles. Received November 29, 1962.

285079 to 285082. AVENA SATIVA L. Poaceae.

**Common oats.**

285079. 'Blanchette'.

285080. 'Caravelle'. Seed coat black.

285081. 'Phoenix'.

285082. 'Vigor'.

285083 to 285086. HORDEUM VULGARE L. Poaceae.

285083. 'Amsel'.

285084. 'Astrid'.

285085. 'Ceres'.

285086. 'Delta'.

285087 and 285088. TRITICUM AESTIVUM L. Poaceae.

**Common wheat.**

285087. 'Aronde'.

285088. 'Rex'.

**285089 to 285097. GLYCINE MAX (L.) Merrill Fabaceae.****Soybean.**

From Venezuela. Seeds presented by the Universidad Central de Venezuela, Maracay. Received November 29, 1962.

285089. 'Alianza'.

285094. 'Larix D-79'.

285090. 'Aracatuba'.

285095. 'Mogiaka'.

285091. 'Bicolor do Calai'.

285096. 'Santa Maria'.

285092. 'Blewoor'.

Seed coat black.

285093. 'Geduld'.

285097. 'Vadax G-68'.

**285098 to 285102.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received November 29, 1962.

285098. CHLORIS GAYANA Kunth Poaceae.

**Rhodesgrass.**

Q654. Australian commercial.

## 285098 to 285102—Continued

285099. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.  
 'Gippsland'.  
 285100. *LOLIUM* (hybrid). Poaceae.  
 'H-1 Short Rotation Ryegrass' (*L. perenne* × *L. multiflorum*).  
 285101. *LOLIUM PERENNE* L. Perennial ryegrass.  
 'Victorian'.  
 285102. *PHASEOLUS LATHYROIDES* L. Fabaceae.  
 Q658.

## 285103 to 285114.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Nedlands, Western Australia. Received Nov. 30, 1962.

- 285103 to 285105. *ADESMIA ANGUSTIFOLIA* Hook. & Arn. Fabaceae.  
 285103. C.P.I. 25536. Originally from Chile.  
 285104. C.P.I. 25831.  
 285105. C.P.I. 25834. Originally from Chile.  
 285106. *ADESMIA BICOLOR* (Poir.) DC.  
 C.P.I. 25821.  
 285107. *ADESMIA FILIFOLIA* Clos  
 C.P.I. 25540.  
 285108. *ADESMIA INCANA* Vogel  
 C.P.I. 25822.  
 285109. *ADESMIA MICROPHYLLA* Hook. & Arn.  
 C.P.I. 25542.  
 285110. *ADESMIA MURICATA* (Jacq.) DC.  
 C.P.I. 10548.  
 285111. *ADESMIA RECLINATA* P. Munoz  
 C.P.I. 25826.  
 285112 to 285114. *ADESMIA TENELLA* Hook. & Arn.  
 285112. C.P.I. 25535. Originally from Chile.  
 285113. C.P.I. 25537.  
 285114. C.P.I. 25544. Originally from Chile.

285115 to 285131. *HORDEUM VULGARE* L. Poaceae.

From Ethiopia. Seeds presented by I. E. Siegenthaler, Jimma, through the University of California, Davis. Received Nov. 30, 1962.

	Sample No.	Area or market	Province
285115.	S-33	Jimma Market	Kaffa
285116.	S-34	Jimma Market	Kaffa
285117.	S-35	Omo Nada Highlands	Kaffa
285118.	S-36	(Elevation 2,375 meters)	Eritrea
285119.	S-37	Alemaya	Harrar
285120.	S-38	Alemaya	Harrar
285121.	S-39	Harrar	Harrar



## 285115 to 285131—Continued

	<i>Sample No.</i>	<i>Area or market</i>	<i>Province</i>
285122.	S-40	Debre Berhan	Shoa
285123.	S-41	Debre Berhan	Shoa
285124.	S-42	Debre Berhan	Shoa
285125.	S-43	Debre Berhan	Shoa
285126.	S-44	Debre Berhan	Shoa
285127.	S-45	Holleta	Shoa
285128.	S-46	Holleta	Shoa
285129.	S-47	Near Aksum	Tigre
285130.	S-48	Galetcha	Shoa
285131.	S-49	Galetcha	Shoa

285132 and 285133. LYCOPERSICON ESCULENTUM Mill. Solana-  
ceae. Tomato.

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Geneva, N.Y. Numbered Nov. 30, 1962.

285132. G8756. 'Bearwell'. Developed at Geary, Okla. Plants vigorous, compact, 12 by 46 in., determinate; fruit 1.8 by 2 in., elongate, plum shaped, nipple at blossom end, 6-loculed, many seedless, 2 clusters between adjacent petioles, excellent set; bears well under diverse conditions. Adapted to mechanical harvesting.

285133. G10029. 'Tanggula'. From the Philippines through the Ontario Agricultural Experiment Station, Guelph, Ontario, Canada. Plant vigorous, erect, 12 by 39 in., indeterminate, very prolific, midseason variety; fruit 2.6 by 2.96 in., 5-loculed solid globe, some tolerance to cracking; flesh soft; skin tough; internal color excellent; taste excellent.

285134 and 285135. Elettaria cardamomum (L.) Maton Zin-  
giberaceae. Cardamom.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received December 3, 1962.

From Mudigere, south India.

285134. 'Ceylon'.

285135. 'Malabar'.

## 285136 to 285169. Solanum tuberosum L. Solanaceae. Potato.

From Germany. Tubers presented by the Max Planck Institut, Zuchtungs-forschung, Koln-Vogelsang. Received December 4, 1962.

285136. MPI H 61.417/5.	285146. MPI H 61.459/10.
285137. MPI H 61.417/7.	285147. MPI H 61.459/17.
285138. MPI H 61.417/9.	285148. MPI H 61.459/19.
285139. MPI H 61.417/10.	285149. MPI H 61.459/22.
285140. MPI H 61.417/19.	285150. MPI H 61.459/26.
285141. MPI H 61.418/1.	285151. MPI H 61.459/30.
285142. MPI H 61.459/3.	285152. MPI H 61.459/33.
285143. MPI H 61.459/5.	285153. MPI H 61.459/38.
285144. MPI H 61.459/6.	285154. MPI H 61.420/10.
285145. MPI H 61.459/9.	285155. MPI H 61.430/2.

**285136 to 285169—Continued**

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|--------------------------|-------------------------|
| 285156. MPI H 61.431/3.  | 285163. MPI H 62.516/7. |
| 285157. MPI H 61.434/1.  | 285164. MPI H 62.517/1. |
| 285158. MPI H 61.435/1.  | 285165. MPI H 62.517/3. |
| 285159. MPI H 61.440/1.  | 285166. MPI H 62.517/8. |
| 285160. MPI H 61.460/17. | 285167. MPI H 62.526/2. |
| 285161. MPI H 61.464/17. | 285168. MPI H 62.526/5. |
| 285162. MPI H 61.464/22. | 285169. MPI H 62.539/2. |

**285170 to 285177. SESAMUM INDICUM L. Pedaliaceae. Sesame.**

From Israel. Seeds presented by the National and University Institute of Agriculture, Rehovoth. Received December 4, 1962.

285170 to 285173. Lower Galilee. Open-pollinated.

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| 285170. 'Araba'.   | 285172. 'Hirbet Merjam'. |
| 285171. 'Eilabun'. | 285173. 'Mrar'.          |

285174. 4/b. Beit Dagan.

285175. 45.

285176. 64/a. Beit Dagan.

285177. 101/7. Beit Dagan.

**285178 and 285179. TRITICUM AESTIVUM L. Poaceae.**

**Common wheat.**

From Sweden. Seeds presented by W. Weibull, Landskrona. Received December 4, 1962.

Winter wheat.

285178. 'Eroica I'.

285179. 'Eroica II'.

**285180 to 285182. PANICUM MAXIMUM Jacq. Poaceae.**

**Guineagrass.**

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo. Received December 4, 1962.

285180. Pasture grass from Ceara.

285181. Pasture grass from Tanganyika.

285182. 'Gongiloides'. Always green.

**285183 and 285184. HORDEUM VULGARE L. Poaceae.**

From Turkey. Seeds presented by the Plant Breeding Station, Eskisehir. Received December 4, 1962.

285183. 'Guzak 24'. Selection from native population in central Anatolia. Plants medium height; straw weak; heads two-rowed, awned; seed white; yield good; has considerable winter hardiness.

285184. 'Sakiz 66'. Hybrid between Chinese and native variety similar to 'Guzak 24'. Chinese parent was two rowed, awnless; straw weak; not winter hardy in central Anatolia. 'Sakiz 66' is tall, weak strawed, two rowed, awnless; susceptible to leaf rust and mildew.

**285185 to 285192. ASTRAGALUS SINICUS L. Fabaceae.**

**Chinese milkvetch.**

From Japan. Seeds presented by the United States Embassy, Tokyo. Received December 4, 1962.

**285185 to 285192—Continued**

285185. 'Gifu Renge-Original'. Gifu Prefecture. Warm climate variety.  
 285186. 'Gifu Renge-Large'. Gifu Prefecture. Warm climate variety.  
 285187. 'Gifu Renge-4X'. Gifu Prefecture. Warm climate variety. Tetraploid.  
 285188. 'Yamashita Improved'. Aichi Prefecture. Warm climate variety.  
 285189. 'Funō-sen No. 24'. Toyama Prefecture. Cool climate variety.  
 285190. 'Nakano-Goya'. Niigata Prefecture. Cool climate variety.  
 285191. 'Haru-Komachi'. Yamagata Prefecture. Cool climate variety.  
 285192. 'Fukuchi'. Akita Prefecture. Cool climate variety.

**285193 to 285195. SORGHUM BICOLOR (L.) Moench Poaceae.****Sorghum.**

From Nigeria. Seeds presented by the Institute for Agricultural Research, Ahmadu Bello University, Samaru, Zaria. Received December 4, 1962.

285193. 'Short Kaura' (SK55242-3-6).  
 285194. 'Nunaba'. Originally from Ghana.  
 285195. 'Makaho da Wayo' (SO.60) from Sokoto (Cleistogamous).

**285196. ENCEPHALARTOS MANIKENSIS (Gilliland) Gilliland Cyadaceae.**

From Portuguese East Africa. Seeds presented by the American Consular Service, Salisbury, Rhodesia. Received December 4, 1962.

Collected on south face of Ribaue Mountain, Mocambique District. Elevation 3,400 feet.

**285197 to 285204. TRITICUM AESTIVUM L. Poaceae.****Common wheat.**

From France. Seeds presented by Andre Blondeau, Cultures de Semences Selectionees, Bersee (Nord). Received Dec. 10, 1962.

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| 285197. No. 42. | 285201. No. 86.  |
| 285198. No. 45. | 285202. No. 98.  |
| 285199. No. 55. | 285203. No. 100. |
| 285200. No. 58. | 285204. 'Joel'.  |

**285205 to 285208.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Dec. 10, 1962.

285205. AGROPYRON IMBRICATUM (Bieb.) Roem. & Schult. Poaceae. Omsk region.  
 285206. ORYZOPSIS HOLCIFORMIS (Bieb.) Hack. Poaceae.  
 285207. STIPA PENNATA L. Poaceae.  
 285208. STIPA PENNATA var. LESSINGIANA (Trin. & Rupr.) Richter

**285209 to 285211.**

From Pakistan. Seeds presented by the Punjab University, Chandigarh-3, Punjab State. Received Dec. 10, 1962.

285209. CARTHAMUS LANATUS L. Asteraceae.  
 Kashmir valley. Elevation 5,000 feet.  
 285210. LINUM USITATISSIMUM L. Linaceae.  
 Foothills, Chandigarh.

**Flax.**



**285209 to 285211—Continued****285211.** *SESAMUM* sp. Pedaliaceae.

Kathgodam, Naini Tal.

**285212.** *SACCHARUM* (hybrid). Poaceae.**Sugarcane.**

From United States. Seeds presented by the Hawaiian Sugar Planters' Association, Honolulu, Hawaii. Received December 10, 1962.

**285213.** *CUCURBITA TEXANA* A. Gray Cucurbitaceae.

From the United States. Seeds presented by D. S. Correll, Texas Research Foundation, Renner, Tex. Received Dec. 10, 1962.

**285214 and 285215.** *SACCHARUM* (hybrids). Poaceae.**Sugarcane.**

From China. Cuttings presented by the Taiwan Sugar Experiment Station, Taiwan. Received Dec. 11, 1962.

**285214.** FP 58-1.**285215.** FP 58-2.**285216 to 285231.**

From Uruguay. Seeds presented by the Facultad de Agronomia, Montevideo, through the United States Embassy. Received December 11, 1962.

**285216.** *PANICUM BERGII* Arech. Poaceae.

No. 1094. Kilometer 92, Route 5, Dept. of Florida. Perennial summer grass.

**285217 and 285218.** *PANICUM GRUMOSUM* Nees**285217.** No. 3619. Riverbanks and damp fields, Rio Uruguay, Dept. of Soriano. Perennial summer grass.**285218.** No. 3697. Riverbank and damp fields Manuel Diaz Pass, Rio Tacuarembó, Dept. of Rivera. Perennial summer grass.**285219 to 285221.** *PANICUM MILIOIDES* Nees**285219.** No. 1532. Frequent in virgin fields, Desconocido. Perennial summer grass.**285220.** No. 1582. Frequent in virgin fields. Kilometer 48, Route 14, Cololo, Dept. of Soriano. Medium height perennial summer grass.**285221.** No. 3539. Frequent in virgin fields, Tacuarembó Chico, Dept. of Tacuarembó. Medium height perennial summer grass.**285222.** *PANICUM PRIONITIS* Nees

No. 186. High, moist fields, Desconocido. Perennial summer grass. Leaves contain silicon; not palatable; used for thatched roofs.

**285223 to 285226.** *PASPALUM DILATATUM* Poir. Poaceae. **Dallisgrass.****285223.** No. 3688. Clayey gorge, bank of the Rio de la Plata near Colonia, Dept. of Colonia. Perennial summer grass.**285224.** No. 3818. San Gregorio, Dept. of Artigas. Perennial summer grass.**285225.** No. 3849. Casupa, Dept. of Florida. Perennial summer grass.**285226.** No. 3850. Kilometer 117, de Montevideo a Mal Abrigo, Dept. of San Jose. Perennial summer grass.**285227.** *PASPALUM HAUMANII* Parodi

No. 195. Low fields and moist places, Desconocido. Tall, perennial summer grass.

**285216 to 285231—Continued****285228. PASPALUM INDECORUM Mez**

No. 356. Wet and dry rocky pastures of middle elevation near Artigas, Dept. of Artigas. Perennial summer grass.

**285229. PASPALUM INTERMEDIUM Munro ex Morong**

No. 3819. Moist fields, San Gregoria, Dept. of Artigas. Scarce perennial summer grass.

**285230. PASPALUM QUADRIFARIUM Lam.**

No. 3673. Abundant in some areas near Arroyo San Pedro, Dept. of Colonia. Perennial summer grass.

**285231. PIPTOCHAETIUM MONTEVIDENSE (Spreng.) Parodi Poaceae.**

No. 77. Pan de Azucar, Dept. of Maldonado. Perennial winter grass.

**285232 to 285260.**

From the United States. Cuttings collected by R. L. Ticknor, Oregon State University. Now held at the Willamette Experiment, Station, Aurora, Oreg. Numbered Dec. 11, 1962.

**285232. ARCTOSTAPHYLOS sp. Ericaceae.**

Col. No. 1864. Junction of U.S. Highway 97 and Davis Lake-Cultus Lake Road, Deschutes National Forest, Oreg. Elevation 4,600 feet. Plants to 15 inches high; bark exfoliating on older stems; flowers small, pink.

**285233 to 285260. CEANOTHUS PROSTRATUS Benth. Rhamnaceae.**

**285233.** Col. No. 7. U.S. Highway 97, 9.2 miles north of Goldendale, Klickitat County, Wash. Elevation 2,200 feet.

**285234.** Col. No. 8. U.S. Highway 97, 11.1 miles north of Goldendale, Klickitat County, Wash. Elevation 2,400 feet. Seed crop heavy.

**285235.** Col. No. 9-A. U.S. Highway 97, 11.1 miles north of Goldendale, Klickitat County, Wash. Elevation 2,400 feet.

**285236.** Col. No. 9-C. U.S. Highway 97, 11.1 miles north of Goldendale, Klickitat County, Wash. Elevation 2,400 feet.

**285237.** Col. No. 9-D. U.S. Highway 97, 11.1 miles north of Goldendale, Klickitat County, Wash.

**285238.** Col. No. 10-A. Seven miles west of Goldendale, road to Klickitat, Klickitat County, Wash. Elevation 1,760 feet. Plants vigorous.

**285239.** Col. No. 10-B. Seven miles west of Goldendale, road to Klickitat, Klickitat County, Wash. Elevation 1,760 feet. Plants vigorous.

**285240.** Col. No. 10-C. Seven miles west of Goldendale, road to Klickitat, Klickitat County, Wash. Elevation 1,760 feet. Plants vigorous.

**285241.** Col. No. 10-D. Seven miles west of Goldendale, road to Klickitat, Klickitat County, Wash. Elevation 1,760 feet. Plants vigorous.

**285242.** Col. No. 12-A. Near Glenwood, Klickitat County, Wash. Elevation 2,200 feet. Plant compact.

**285243.** Col. No. 12-B. Near Glenwood, Klickitat County, Wash. Elevation 2,200 feet. Plant vigorous.

**285244.** Col. No. 12-C. Near Glenwood, Klickitat County, Wash. Elevation 2,200 feet. Plant vigorous.

**285245.** Col. No. 13-A. Glenwood-Goldendale road, one mile east of Creek Falls outlet.

**285246.** Col. No. 13-B. Glenwood-Goldendale road, one mile east of Creek Falls outlet.

**285247.** Col. No. 13-C. Glenwood-Goldendale road, one mile east of Creek Falls outlet.

**285232 to 285260—Continued****285233 to 285260—Continued**

285248. Col. No. 14. Glenwood-Goldendale road, 0.3 miles west of logging trains loading area. Elevation 1,250 feet. Plants compact; leaves small.
285249. Col. No. 15. Glenwood-Goldendale road, 0.3 miles west of logging trains loading area. Elevation 1,250 feet. Plants vigorous; leaves distinct, small.
285250. Col. No. 16-A. 14.6 miles from Glenwood on Klickitat road, Klickitat County, Wash. Elevation 2,000 feet.
285251. Col. No. 16-B. 14.6 miles from Glenwood on Klickitat road, Klickitat County, Wash. Elevation 2,000 feet.
285252. Col. No. 16-C. 14.6 miles from Glenwood on Klickitat road, Klickitat County, Wash. Elevation 2,000 feet.
285253. Col. No. 17-A. About 9 miles east of junction of U.S. Highway 26 and Oregon 216, Wasco County, Ore. Elevation 3,120 feet.
285254. Col. No. 17-B. About 9 miles east of junction of U.S. Highway 26 and Oregon 216, Wasco County, Ore. Elevation 3,120 feet.
285255. Col. No. 17-C. About 9 miles east of junction of U.S. Highway 26 and Oregon 216, Wasco County, Ore. Elevation 3,120 feet.
285256. Col. No. 17-D. About 9 miles east of junction of U.S. Highway 26 and Oregon 216, Wasco County, Ore. Elevation 3,120 feet.
285257. Col. No. 18. 10.5 miles east of junction of U.S. Highway 26 and Oregon 216. Elevation 2,980 feet.
285258. Col. No. 1860-A. Forest road, Deschutes National Forest map grid 20.22 and 20.21, Ore. Leaves fine, narrow.
285259. Col. No. 1860-B. Forest road, Deschutes National Forest map grid 20.22 and 20.21, Ore. Leaves long, narrow.
285260. Col. No. 1860-C. Forest road, Deschutes National Forest map grid 20.22 and 20.21, Ore. Leaves long, broad.

**285261 to 285271. SOLANUM TUBEROSUM L. Solanaceae. Potato.**

From Germany. Tubers presented by the Max Planck Institute, Scharnhorst, Kreis Neustadt/Rbge. Received Nov. 30, 1962. Numbered Dec. 12, 1962.

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|----------------------------------|--------------------------|
| 285261. NR 44. 335/37.           | 285267. NR 53. 3154/119. |
| 285262. NR 44. 1016/24.          | 285268. NR 53. 3154/268. |
| 285263. NR 49. 694/2.            | 285269. NR 55. 932/49.   |
| 285264. NR 50. 170/144 (Advira). | 285270. NR 55. 1014/169. |
| 285265. NR 50. 247/2.            | 285271. NR 57. 1995/139. |
| 285266. NR 52. 504/4.            |                          |

**285272 and 285273.**

From the United States. Seeds collected by L. A. Mullen, Regional Plant Introduction Station, Pullman, Wash. Numbered Dec. 14, 1962.

285272. AGROPYRON INERME (Scribn. & Smith) Rydb. Poaceae.

**Beardless wheatgrass.**

Native stand 1 mile northwest of Wawawai, near Snake River, Wash. Annual rainfall 14 inches. Deep Julietto soil. Plants vigorous, to 48 inches high; heat tolerant; spring recovery early.

285273. AGROPYRON SPICATUM (Pursh) Scribn. & Smith

**Bluebunch wheatgrass.**

Native stand 1 mile northwest of Wawawai, near Snake River, Wash. Annual rainfall 14 inches. Deep Julietto soil. Plants vigorous, to 48 inches high; heat tolerant; spring recovery early.



**285274. VACCINIUM ARBOREUM Marsh. Vacciniaceae.**

From the United States. Seeds collected by Paul Tabor, Soil Conservation Service, Athens, Ga. Received Dec. 14, 1962.

Twenty-two miles north of Athens, between Liberty Church and Hudson River.

**285275 and 285276. BRASSICA OLERACEA var. BOTRYTIS L. Brassicaceae. Cauliflower.**

From Denmark. Seeds presented by A. Hansen, Kastrup, Amager. Received Dec. 14, 1962.

285275. 'Codania No. 101', 'Tagenshus P. 58'.

285276. 'Garant'.

**285277. LAGERSTROEMIA INDICA L. Lythraceae.**

**Common crapemyrtle.**

From the Philippines. Seeds presented by the University of the Philippines, Laguna. Received Dec. 17, 1962.

Plant dwarf.

**285278 to 285285. LOTUS CORNICULATUS L. Fabaceae.**

**Birdsfoot trefoil.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received December 17, 1962.

285278. No. 25495. 'Tygevsij'. From Estonia.

285279. No. 27113. 'Moskovskij 287'. Moscow region.

285280. No. 27149. 'Kubanskij'. Krasnodar region.

285281. No. 30421. 'Prizkulsij'. From Latvia.

285282. No. 31562. 'Gelvis'. From Lithuania.

285283. No. 32722. 'Dedinovski Metsnyj'. Moscow region.

285284. No. 32871. 'Abhazskij Mestnyj'. From Abkhazia.

285285. No. 33217. 'MOS-25'. Moscow region.

**285286 to 285288. NICOTIANA TABACUM L. Solanaceae.**

From Rhodesia. Seeds presented by the Tobacco Research Board of Rhodesia and Nyasaland, Salisbury. Received December 17, 1962.

285286. 'Canadel'.

285287. 'Kutsuga 51'.

285288. 'Rhomos 7'.

**285289. STENOTAPHRUM SECUNDATUM (Walt.) Kuntze Poaceae. St. Augustine grass.**

From Costa Rica. Stolons presented by D. J. Hutchison, Research Department, Tela Railroad Company, La Lima, Cortes, Honduras. Received December 19, 1962.

Purple stigma type. From Instituto Inter-Americano de Ciencias Agrícolas, Turrialba, Costa Rica. December 6, 1962.

**285290 to 285309.**

From the Ivory Coast. Stolons presented by the Institut d'Enseignement et de Recherches Tropicales, Abidjan. Received December 20, 1962.

285290. DESMODIUM INTORTUM (Mill.) Urb. Fabaceae.

No. 37.

**285290 to 285309—Continued**285291. *DIGITARIA* sp. Poaceae.

No. 269.

285292. *MELINIS MINUTIFLORA* Beauv. Poaceae.**Molasses grass.**

No. 57.

285293 to 285301. *PANICUM MAXIMUM* Jacq. Poaceae.**Guineagrass.**

285293. No. 163.

285298. No. 267.

285294. No. 164.

285299. No. 268.

285295. No. 165.

285300. No. 304.

285296. No. 169.

285301. No. 309.

285297. No. 174.

285302. *PASPALUM DILATATUM* Poir. Poaceae.**Dallisgrass.**

No. 423.

285303. *PENNISETUM PURPUREUM* Schum. Poaceae.**Napiergrass.**

No. 431.

285304 to 285309. *SETARIA SPHACELATA* (Schum.) Stapf & Hubbard Poaceae.

285304. No. 04. A-14.

285307. No. 302. 122.

285305. No. 05. A-11.

285308. No. 303. 127.

285306. No. 06. A-9.

285309. No. 306. 134.

**285310 to 285478.**

From Nepal. Seeds collected by John L. Creech and Francis deVos, agricultural explorers, Crops Research Division, Beltsville, Md., and the National Arboretum, Washington, D.C., respectively. Received Dec. 21, 1962.

Collected in the wild during October and November 1962.

285310. *ABIES SPECTABILIS* Lambert ex Spach Pinaceae. **Himalayan fir.**

Col. No. 1188. Mt. Furkai. Elevation 10,000 feet. Tree has pyramidal habitat, to 150 feet high; branches horizontal flat, cones oblong, dark purple.

285311 and 285312. *ACER VILLOSUM* Wall. Aceraceae.

285311. Col. No. 1127. Dry sunny area at edge of rhododendron forest, Mt. Furkai. Elevation 8,000 feet. Tree to 30 feet high; leaves large, with 5 broad lobes; petioles 6 inches long, brownish; samara wings to 2 inches long, directed forward.

285312. Col. No. 1129. Dry sunny location on Mt. Furkai. Elevation 8,700 feet. Tree to 25 feet high; leaves with 5 coarse lobes; petioles 6 inches long; samara with wings to 2.5 inches long, directed forward and overlapping.

285313 to 285315. *ACER CAUDATUM* Wall.

285313. Col. No. 1130. Open, dry area on Mt. Furkai. Elevation 7,000 to 9,000 feet. Tree to 20 feet high; leaves three lobed; petioles and fruit bright red; racemes long, with 10 or more samaras.

285314. Col. No. 1149. Dry maple-rhododendron forest on Mt. Furkai. Elevation 9,500 feet. Tree to 30 feet high; leaves three lobed; petioles and winter buds red; fruit small winged, in long-racemed clusters containing to 10 samaras.

285315. Col. No. 1159. Edge of rhododendron forest on Mt. Furkai. Elevation 10,900 feet. Tree to 15 feet high; leaves three lobed, turning bright yellow; petioles red; fruit brilliant red, in racemes to 8 inches long. Tree selected for its desirable fruiting habit and leaf color.

**285310 to 285478—Continued****285316. ACER sp.**

Col. No. 1186. In open field at edge of rhododendron forest on Mt. Furkai. Elevation 10,200 feet. Similar to P.I. 285315, but collected in different locality.

**285317. ACER sp.**

Col. No. 1285. Below Tharepale, near Gosainkund. Elevation 11,000 feet. Small deciduous tree.

**285318. AESCULUS INDICA (Royle) Hook. Aesculaceae. Buckeye.**

Col. No. 1125. Moist slope on Mt. Furkai. Elevation 6,000 feet. Deciduous tree to 50 feet high; leaves digitate, leaflets 7; fruit without spines; nuts dark brown.

**285319. ALLIUM sp. Liliaceae.**

Col. No. 1144. In open fields, among iris clumps, on Mt. Furkai. Elevation 10,000 feet. Scape to 18 inches high; umbel blackish, flat.

**285320. ANEMONE VITIFOLIA Buch.-Ham ex DC. Ranunculaceae. Grapeleaf anemone.**

Col. No. 1314. Hills around Botanic Garden, Godavari. Elevation 6,000 feet. Rootstock woody; scape branched, many flowered, white.

**285321. ARISAEMA sp. Araceae.**

Col. No. 1116. Damp, shady field edge, with barberry and rhododendron, near Ulleri. Elevation 6,500 feet. Tuberous herb; scape to 18 inches high; head, red, many seeded.

**285322. ARISAEMA sp.**

Col. No. 1119. Cool shady woods, trail between Ulleri and Sikha. Elevation 7,000 feet. Tuberous herb; scape to 12 inches high; fruits red.

**285323. COTONEASTER MICROPHYLLA Wall. ex Lindl. Malaceae.**

Col. No. 1117. Exposed granite hummocks, trail from Ulleri to Sikha. Elevation 7,900 feet. Dense, decumbent evergreen shrub; leaves ovate to 0.38 inch long; fruit red, ovate, 0.25 inch diameter.

**285324. ARISAEMA sp. Araceae.**

Col. No. 1220. Open fields above Dana. Elevation 8,500 feet. Tuberous herb to 2 feet high; seed head large, red, showy.

**285325. ARISAEMA sp.**

Col. No. 1298. Edge of rocky, wooded area near Dhaman. Elevation 8,000 feet. Fruit bright red, pointed.

**285326. ARISAEMA sp.**

Col. No. 1299. Moist ravine near Dhaman. Elevation 8,000 feet. Fruits red, blunt.

**285327. ASPARAGUS sp. Convallariaceae.**

Col. No. 1211. Weed along path in Rakhu. Elevation 5,000 feet. Fine, filmy foliage.

**285328. ASPARAGUS sp.**

Col. No. 1226. Moist cliff along Mardi Khola. Elevation 7,700 feet. Filmy foliage on trailing stems to 8 feet long.

**285329. DELAMCANDA CHINENSIS Leman Iridaceae.**

Col. No. 1207. Open fields between Damdam and Bega. Elevation 6,000 to 8,000 feet. Perennial; foliage irislike; seeds black.



## 285310 to 285478—Continued

285330. *BERBERIS* sp.

Col. No. 1137. Open fields, with rose and viburnum, Mt. Furkai. Elevation 10,500 feet. Deciduous shrub to 8 feet high; young shoots bright red, attractive; fruit small, oblong.

285331. *BERBERIS* sp.

Col. No. 1158. In shade in rhododendron forest on Mt. Furkai. Elevation 8,000 feet. Evergreen shrub; leaves glossy, broad-ovate; fruit black.

285332. *BERBERIS CONCINNA* Hook. f.

Dainty barberry.

Col. No. 1171. Open fields, with roses, on Mt. Furkai. Elevation 10,400 feet. Evergreen shrub to 6 feet high; leaves to 0.75 inches long; spines 0.5 inches long; fruit red, obovate, on red pedicels to 1 inch long.

285333. *BERBERIS* sp.

Col. No. 1266. Evergreen forest above Mardi Khol. Elevation 8,500 feet. Evergreen shrub; leaves glossy, rugose, broad-ovate; fruit black.

285334. *BERBERIS* sp.

Col. No. 1301. Dry woods near Dhaman. Elevation 8,200 feet. Low-growing evergreen; leaves resemble *B. julianae*.

285335. *PHYLLANTHUS PARVIFOLIUS* Buch.-Ham. ex D. Don Euphorbiaceae.

Col. No. 1309. Dry, sunny hillside near Dhaman. Elevation 7,700 feet. Plant small, deciduous; leaves obovate, less than 0.25 inch long; fruit blue.

285336. *BERGENIA* sp. Saxifragaceae.

Col. No. 1222. Open pasture above Dana. Elevation 9,500 feet. Herb; basal leaves broad-ovate; flowers in a head, yellow.

285337. *BETULA* sp. Betulaceae.

Col. No. 1176. Open fields on Mt. Furkai. Elevation 11,500 feet. Tree to 40 feet high; bark gray, exfoliating.

285338. *EUONYMUS ECHINATUS* Wall. Celastraceae.

Col. No. 1250. On tree trunks in dense evergreen forest above Mardi Khola, near Posdi. Elevation 8,200 feet. Semi-vinelike evergreen; leaves alternate, ovate; fruit green when ripe; seeds orange.

285339. *CELASTRUS STYLOSUS* Wall. Celastraceae.

Col. No. 1295. Climbing on oaks along pathway near Dhaman. Elevation 7,800 feet. Exceptionally colorful, vigorous, deciduous climber; fruit bright orange; aril reddish.

285340 and 285341. *CLEMATIS CONNATA* DC. Ranunculaceae.

285340. Col. No. 1136. Climbing on rhododendrons and viburnums at edge of forest, Mt. Furkai. Elevation 10,200 feet. Vine; leaves opposite; flowers in leaf axils.

285341. Col. No. 1178. Climbing on viburnums on Mt. Furkai. Elevation 10,800 feet. Vine; leaves opposite. Almost killed by frost.

285342. *CLEMATIS* sp.

Col. No. 1233. Above Mardi Khola, near Siding. Elevation 8,200 feet. Vine; leaves simple; styles long, silky.

285343. *COTONEASTER MICROPHYLLA* Wall. ex Lindl. Malaceae.

Col. No. 1135. Open sunny, dry slopes of Mt. Furkai. Elevation 10,200 feet. Plant dense, twiggy; leaves 0.5 inch long.

285344. *COTONEASTER ROTUNDIFOLIA* Wall. ex Lindl.

Col. No. 1267. Open, grassy plateau above Mardi Khola. Elevation 10,000 feet. Plant upright, to 2.5 feet high, semi-evergreen; leaves rotund; fruit ovate, red.

## 285310 to 285478—Continued

285345. *DAPHNE PAPHNACEA* Wall. ex Steud. Thymelaeaceae.

Col. No. 1236. Mixed Rhododendron-bamboo forest above Mardi Khola. Elevation 8,500 feet. Evergreen shrub; flowers small, white, fragrant.

285346. *DAPHNIPHYLLUM HIMALAYENSE* Muell.-Arg. Euphorbiaceae.

Col. No. 1224. Ridge along the Mardi Khola, near Siding. Elevation 5,300 feet. Tree to 15 feet high; leaves alternate, ovate, glaucous beneath; petioles, bright red; fruits purple red, in racemes, one seeded; seeds black.

285347. *DATURA METEL* L. Solanaceae.

Col. No. 1194. Dry sandy site along Kali Gandaki River. Elevation 3,300 feet. Flowers large, purple.

285348. *DELPHINIUM ALTISSIMUM* Wall. Ranunculaceae.

Col. No. 1280. Moist, shady site above Godavari. Elevation 7,700 feet. Herb to 3 feet high; flowers purple.

285349. *DELPHINIUM* sp.

Col. No. 1300. Dry woods near Dhaman. Elevation 8,200 feet. Herb to 3 feet high; flowers purple.

285350. *DICHROA FEBRIFUGA* Lour. Saxifragaceae.

Col. No. 1218. Moist, shady streambed along path near Daurali. Elevation 4,800 feet. Subshrub; leaves opposite; fruit intense blue, in broad panicles.

285351. *DIOSCOREA* sp. Dioscoreaceae.

Col. No. 1115. Entwined in shrubbery along streambed between Ulleri and Barithadi. Elevation 4,600 feet. Vine with aerial tubers; seed capsule oblong, one inch long.

285352. *EUONYMUS GRANDIFLORUS* Wall. ex. Roxb. Celastraceae.

Col. No. 1315. Moist area near stream, vicinity of Botanic Garden, Godavari. Elevation 5,000 feet. Shrub or tree to 20 feet high.

285353. *EUONYMUS THEIFOLIUS* Wall.

Col. No. 1140. Edge of rhododendron forest, Mt. Furkai. Elevation 9,500 feet. Evergreen tree; leaves opposite, entire; fruits brownish, 3 to 5 seeded; seeds orange.

285354. *EUONYMUS BULLATUS* Wall.

Col. No. 1274. Along streambed, Godavari. Elevation 5,600 feet. Deciduous tree to 20 feet high; leaves broad, ovate, entire; fruit in profusion, pinkish red.

285355. *EUONYMUS THEIFOLIUS* Wall.

Col. No. 1294. On Rajpath near Dhaman. Elevation 8,200 feet. Evergreen tree to 20 feet high; leaves ovate, 4 inches long, 1 inch wide; fruit to 0.5 inch diameter, showy; seeds bright orange.

285356. *FRAXINUS FLORIBUNDA* Wall. ex Roxb. Oleaceae. Ash.

Col. No. 1286. Godavari. Elevation 5,000 feet. Deciduous tree to 100 feet high; leaflets 7 to 9; flowers showy; often planted in rest areas.

285357. *GAULTHERIA FRAGRANTISSIMA* Wall. Ericaceae.

Col. No. 1308. Open, dry hillside near Dhaman. Elevation 7,700 feet. Shrub to 6 inches high; stems 3 angled; leaves ovate, coriaceous; fruit bright blue.

285358. *HOLBOELLIA LATIFOLIA* Wall. Lardizabalaceae.

Col. No. 1201. Open fields in pass between Damdam and Bega. Elevation 7,300 feet. Vine; leaves digital, 5 clustered; fruit large ovate pod; seeds black, numerous.

## 285310 to 285478—Continued

285359. *HORDEUM* sp. Poaceae.

Col. No. 1128. Sown as winter crop on slopes of Mt. Furkai. Elevation 7,500 feet. Grown and harvested annually in area.

285360 and 285361. *HYDRANGEA ASPERA* Buch.-Ham. ex D. Don Hydrangeaceae.

285360. Col. No. 1189. Open fields on Mt. Furkai. Elevation 9,000 to 10,000 feet. Large shrub; flowers not seen.

285361. Col. No. 1273. Along path above Godavari. Elevation 6,500 feet. Shrub; flowers in panicles, white with dark blue sterile florets around rim.

285362. *HYPERICUM OBLONGIFOLIUM* Choisy Hypericaceae.

Col. No. 1200. Sunny path between Damdam and Bega. Elevation 7,500 feet. Shrub to 3 feet high; leaves opposite, ovate lanceolate; flowers yellow; capsules reddish brown.

285363. *HYPERICUM PATULUM* Thunb.

Col. No. 1235. Sunny ravine above Mardi Khola. Elevation 6,500 feet. Shrub to 4 feet high; leaves opposite, broad lanceolate; flowers yellow.

285364. *HYPERICUM CERNUUM* Roxb.

Col. No. 1310. Dry woodland above Dhaman. Elevation 8,000 feet. Shrub to 3 feet high; leaves large, lanceolate.

285365. *ILEX EXCELSA* Wall. Aquifoliaceae.

Col. No. 1272. Along streambed above Godavari. Elevation 6,000 feet. Evergreen tree to 30 feet high; leaves elliptic, entire; fruit small, in dense clusters, red; similar to *I. rotunda*.

285366. *IRIS* sp. Iridaceae.

Col. No. 1132. Open sunny slopes of Mt. Furkai. Elevation 9,400 feet. Herb; spike to 2 feet high; fruiting.

285367. *IRIS* sp.

Col. No. 1164. Open dry slopes of Mt. Furkai. Elevation 11,500 feet. Foliage dead; pods triangular.

285368. *JUGLANS* sp. Juglandaceae.

Col. No. 1210. From an unnamed farm community at 4,000 feet elevation, near Rakhu. Cultivated walnut.

285369. *LAGERSTROEMIA INDICA* L. Lythraceae. Common crapemyrtle.

Col. No. 1269. Along path above Siding, near Mardi Khola. Elevation 3,000 feet. Small tree; leaves alternate; fruit a terminal capsule.

285370. *CLERODENDRUM* sp. Verbenaceae.

Col. No. 1212. Along path in Rakhu. Elevation 5,000 feet. Shrub to 8 feet high; leaves opposite, ovate, dentate; flowers axillary, in cymes, magenta, bracts purple.

285371 and 286372. *LIGUSTRUM NEPALENSE* Roxb. Oleaceae. Nepal privet.

285371. Col. No. 1293. Along streambed near Dhaman on Rajpath. Elevation 8,200 feet. Evergreen tree to 30 feet high; fruit to about 0.5 inch diameter, abundant.

285372. Col. No. 1249. On posdi, above Mardi Khola. Elevation 8,400 feet. Plant evergreen; leaves narrow lanceolate; fruit purple, on terminal racemes.

285373. *LILIUM NEPALENSE* D. Don Liliaceae.

Lily.

Col. No. 1307. Dry, rocky hillside near Dhaman. Elevation 7,700 feet. Plants dormant.



## 285310 to 285478—Continued

285374 and 285375. *LIRIOPE SPICATA* Lour. Liliaceae.

285374. Col. No. 1139. Moist rhododendron forest ravine on Mt. Furkai. Elevation 9,000 to 10,000 feet. Plants to 18 inches high; fruit bright blue.

285375. Col. No. 1312. Moist, shady ravine above Dhaman. Elevation 8,000 feet. Ground cover with bright blue berries.

295376. *LOBELIA* sp. Campanulaceae.

Col. No. 1290. Godavari roadside. Elevation 6,000 feet. Plant 6 feet high; flowers purple; said to have medicinal value.

285377. *LONICERA GLABRATA* Wall. ex Roxb. Caprifoliaceae.

Col. No. 1204. Dry, sunny slope, between Damdam and Bega. Elevation 8,000 feet. Evergreen; leaves elliptic, ovate; flowers in axillary clusters, ivory to yellow; fruit black.

285378. *LUNARIA* sp. Brassicaceae.

Col. No. 1190. Among grass on cliff sides on Mt. Furkai. Elevation 11,000 feet.

285379. *LYONIA OVALIFOLIA* (Wall.) Drude Ericaceae.

Col. No. 1167. Open fields on Mt. Furkai. Elevation 11,000 feet. Deciduous shrub to 6 feet high; leaves ovate, autumnal coloration red; fruit in racemes.

285380. *MAESA* sp. Myrsinaceae.

Col. No. 1265. In dense woods above Mardi Khola. Elevation 8,300 feet. Evergreen shrub; leaves alternate, ovate; fruit in terminal clusters, black.

285381. *MAGNOLIA CAMPBELLII* Hook. f. & Thoms. Magnoliaceae.

Col. No. 1253. Moist area in evergreen forest above Mardi Khola. Elevation 7,500 to 8,300 feet. Deciduous, open-headed tree to 60 feet high; leaves to 12 inches long; pods thin, long; seeds red, in pairs.

285382. *MALUS* sp. Malaceae.

Col. No. 1122. Dry, exposed slopes of Mt. Furkai. Elevation 8,500 feet. Upright tree to 40 feet high; fruit 0.5 inch diameter, warty.

285383. *MANGLIETIA INSIGNIS* Blume Magnoliaceae.

Col. No. 1288. Along streambed, Godavari. Elevation 5,000 feet. Tall evergreen. Selected for good rose-colored flowers.

285384. *MICHELIA CHAMPACA* L. Magnoliaceae. Champac.

Col. No. 1284. Godavari. Elevation 5,000 feet. Evergreen tree related to the magnolia. Flowers 2 inches diameter, pale yellow or orange, fragrant.

285385. *BISWAREA TONGLSENSIS* Cogn. Cucurbitaceae.

Col. No. 1556. Growing on maple, Mt. Furkai. Elevation 8,500 feet. Vine, climbing with tendrils; leaves sagittate, to 4 inches long; flowers yellow, fruit rough, pithy, 3 sectioned; seeds oblong, sculptured to 8 per fruit.

285386. *MOMORDICA* sp. Cucurbitaceae.

Col. No. 1209. Between Damdam and Bega. Plants cultivated; pods to 3 inches long, conical, seeds black, sculptured.

285387. *PARIS POLYPHYLLA* Smith in Rees Convallariaceae.

Col. No. 1206. Moist shaded woods between Damdam and Bega. Herb with cormlike roots; seeds red in terminal pods.

285388. *PARIS POLYPHYLLA* Smith in Rees

Col. No. 1261. Dense evergreen forest above Mardi Khola. Elevation 9,000 feet. Herb; leaves 5, in adnate whorl; capsule greenish orange; fruit interior bright red.

## 285310 to 285478—Continued

285389. *PHOTINA* sp. Malaceae.

Col. No. 1121. Dry exposed slopes of Mt. Furkai. Elevation 8,500 feet. Tree to 18 feet high; leaves alternate, entire, ovate; fruit in terminal clusters, red, 2 or 3 seeded.

285390. *PHOTINIA* sp.

Col. No. 1264. Edge of meadow above Mardi Khola. Elevation 10,000 feet. Tree to 30 feet high; leaves alternate, entire broad ovate; fruits in large corymbs, red.

285391. *PHYLLANTHUS PARVIFOLIUS* Buch.-Ham. ex D. Don Euphorbiaceae.

Col. No. 1283. Pokhara. Small ornamental tree; leaves pinnate; fruit a drupe, greenish yellow.

285392. *PIERIS FORMOSA* (Wall.) D. Don Ericaceae.

Col. No. 1292. Rajpath, near Dhaman. Elevation 7,700 feet. Evergreen shrub to 12 feet high; leaves 4 by 1.5 inches, acuminate, attenuate at base; fruit in compound racemes.

285393. *PIERIS FORMOSA* (Wall.) d. Don

Col. No. 1155. In rhododendron forest on Mt. Furkai. Elevation 8,200 feet. Tall shrub; leaves ovate lanceolate, to 4 inches long.

285394. *PIPTANTHUS NEPALENSIS* (Hook.) Sweet Fabaceae.

Col. No. 1191. Usually in open, sunny places on Mt. Furkai. Shrub or tree to 10 feet high, probably evergreen; flowers yellow; pods to 4 inches long; flattened, seeds greenish color.

285395. *POLYGONUM* sp. Polygonaceae.

Col. No. 1174. Sunny slopes of Mt. Furkai. Elevation 11,000 feet. Herb; leaves opposite; flowers mixed, pink and white. Of little ornamental value.

285396. *POLYGONUM CHINENSE* L.

Fleeceflower.

Col. No. 1278. Roadside above Godavari. Elevation 7,800 feet. Herb to 4 feet high; flowers with white corolla, red calyx; seeds black, very colorful.

285397. *PORANA GRANDIFLORA* Wall. Convolvulaceae.

Col. No. 1279. Moist hillside above Godavari. Elevation 7,700 feet. Flowers purple; seeds single.

285398. *PORANA RACEMOSA* Roxb.

Snow creeper.

Col. No. 1317. Hills around Godavari. Vine.

285399. *PRUNUS CERASOIDES* D. Don Amygdalaceae.

Sikkim cherry.

Col. No. 1289. Hillsides at Godavari. Elevation 5,000 feet. Winter-flowering cherry; flowers bright pink; young foliage reddish brown. Seeds collected in July by G. Herklots, Royal Botanic Garden, Godavari.

285400. *PRUNUS* sp. Amygdalaceae.

Col. No. 1160. Open, dry fields, mixed with roses, rhododendrons and willows, atop Mt. Furkai. Elevation 11,500 feet. Tree to 30 feet high; fruit black, ovate, on three-inch pedicels.

285401. *PYRACANTHA CRENULATA* (D. Don) Roemer Rosaceae

Nepal firethorn.

Col. No. 1196. Open, dry fields in pass between Damdam and Bega. Elevation 8,100 feet. Dense, thorny, upright, evergreen shrub; leaves oblong; fruits in clusters, red.

285402. *PYRUS PASHIA* Buch.-Ham. ex D. Don Malaceae. Pashi pear.

Col. No. 1297. Along streambed near Dhaman. Elevation 8,000 feet. Flowering mid-November; fruit round, to 1-inch diameter, usually single mature seed.

## 285310 to 285478—Continued

285403. *QUERCUS GLAUCA* Thunb. Fagaceae. **Blue Japanese oak.**

Col. No. 1275. Hill above Godavari. Evergreen tree; leaves narrow, ovate, coarse bristle toothed; cup small, covering a quarter of the acorn; acorn oblong.

285404. *QUERCUS LAMELLOSA* Sm.

Col. No. 1248. Evergreen forest on moist hillside near Siding, above Mardi Khola. Elevation 7,500 feet. Evergreen tree to 60 feet high; leaves simple, coarsely serrate; cup with concentric rings nearly encloses the acorn.

285405. *QUERCUS* sp.

Col. No. 1276. Godavari. Elevation 5,500 feet. Evergreen tree.

285406. *RHODODENDRON ARBOREUM* J. E. Smith Ericaceae.

**Tree rhododendron.**

Col. No. 1141. Edge of fir forest, Mt. Furkai. Tree to 60 feet high; bark red; flowers red to pink.

285407. *RHODODENDRON LEPIDOTUM* Wall.

Col. No. 1134. Dry, sunny slopes, Mt. Furkai. Elevation 10,200 feet. Plants to 12 inches high; leaves turn crimson; flowers purple.

285408. *RHODODENDRON CAMPANULATUM* D. Don

Col. No. 1165. Open pasture, Mt. Furkai. Shrubby species; buds red, without hair or glands; leaves ovate, heavy tomentum beneath.

285409. *RHODODENDRON BARBATUM* Wall.

Col. No. 1168. Rhododendron forest, Mt. Furkai, mixed with maples, mountain ash and firs. Elevation 10,600 feet. Stems red; leaves without tomentum; buds sticky.

285410. *RHODODENDRON CAMPANULATUM* D. Don

Col. No. 1169. Rhododendron forest, Mt. Furkai, mixed with maples, mountain ash and firs. Shrubby species; buds red, without hairs or glands; leaves with heavy tomentum beneath.

285411. *RHODODENDRON* sp.

Col. No. 1313. Dry hillside near Dhaman. Elevation 7,700 feet. Plants to 20 feet high; leaves with whitish tomentum beneath.

285412. *RICINUS COMMUNIS* L. Euphorbiaceae.

**Castorbean.**

Col. No. 1208. Dry, sandy or rocky sites along the Kali Gandaki River. Elevation 3,000 feet. Plant woody, to 8 feet high.

285413. *ROSA* sp. Rosaceae.

Col. No. 1142. Mixed with barberry in dry, sunny open fields, Mt. Furkai. Elevation 10,200 feet. Soil heavy. Shrub to 8 feet high; hips large, orange, fleshy. Rather rare in locality.

285414. *ROSA* sp.

Col. No. 1143. Widely scattered, mixed with barberry, open fields and pastures, Mt. Furkai. Elevation 10,000 feet. Plant to 8 feet high; thorns large, reddish; hips 0.75 inch long, hard, red.

285415. *ROSA MOSCHATA* subsp. *BRUNONII* (Lindl.) Herr.

Col. No. 1203. Dry sunny sites, open fields between Damdam and Bega. Elevation 7,600 feet. Leaflets 7 to 9; hips red, small.

285416. *RUBUS* sp. Rosaceae.

Col. No. 1151. Along streambed in moist ravine, Mt. Furkai. Elevation 8,000 feet. Large vine; leaves entire.



## 285310 to 285478—Continued

285417. *RUBUS FOCKEANUS* S. Kurz

Col. No. 1152. In moss along streambed, Mt. Furkai. Elevation 8,000 feet. Small, prostrate runner grows as ground cover; leaves trifoliate.

285418. *RUBUS ASSAMENSIS* Focke

Col. No. 1251. Evergreen forest above Mardi Khola. Elevation 8,500 feet. Shrub to 15 feet high; leaves coarse, ovate, spines on midrib; fruit red, turning black.

285419. *RUBUS* sp.

Col. No. 1281. Above Godavari. Elevation 6,500 feet. Plant rampant; fruits red.

285420. *SALIX* sp. Salicaceae.

Col. No. 1162. Grassland, Mt. Furkai. Elevation 11,500 feet. Plants to 10 inches high; young stems red, older stems yellow.

285421. *SALIX* sp.

Col. No. 1163. Open fields, Mt. Furkai. Elevation 11,500 feet. Plants to 10 feet high; twigs grey, pubescence brilliant in sunlight.

285422. *SOLANUM* sp. Solanaceae.

Col. No. 1318. Along streambed near Godavari. Elevation 6,800 feet. Plant bushy; leaves thorny; fruits to 1.5 inches diameter, yellow.

285423. *SORBUS FOLIOLOSA* (Wall.) Spach Malaceae.

Col. No. 1170. Rhododendron forest, Mt. Furkai. Elevation 10,200 feet. Tree to 20 feet high; leaves pinnate; fruits white, in terminal clusters.

285424. *SORBUS* sp.

Col. No. 1173. Open, sunny field, with rhododendrons, roses, cherries and willows, Mt. Furkai. Elevation 11,500 feet. Fruit pale pink, in terminal clusters.

285425. *SPIRAEA JAPONICA* var. *HIMALAICA* Kitamura Rosaceae.

Col. No. 1161. Open fields, Mt. Furkai. Elevation 10,900 feet. Shrub to 6 feet high.

285426. *COTONEASTER ACUMINATA* Lindl. Malaceae.

Col. No. 1131. Dry slope, sunny forest edge, Mt. Furkai. Elevation 9,250 feet. Evergreen shrub to 10 feet high, leaves alternate, narrow elliptic; fruit obovate, on short, bright red spurs, 2 seeded.

285427. *SYMPLOCOS RAMOSISSIMA* Wall. ex DC. Symplocaceae.

Col. No. 1198. Semishady moist forest, pass between Damdam and Bega. Elevation 7,900 feet. Evergreen to 20 feet high; leaves alternate, ovate; fruit axillary, blue.

285428. *TRICHOSANTHES PALMATA* Roxb. Cucurbitaceae.

Col. No. 1237. On trees above Mardi Khola. Elevation 5,600 feet. Vine, cucurbitlike, with tendrils; fruit a bright red gourd; skin smooth; flesh yellow; seeds numerous, covered with greenish webbing. Ornamental.

285429. *TRICHOSANTHES* sp.

Col. No. 1214. Over roadside shrubs along Kali Gandaki River. Elevation 9,800 feet. Vine; leaves deeply 3 cleft; fruit round, striped, to 1-inch diameter.

285430. *VIBURNUM* sp. Caprifoliaceae.

Col. No. 1114. Along granite slopes of small stream, with mahonia, bamboo and evergreen oaks, at base of Ulleri. Elevation 4,600 feet. Shrub to 8 feet high; leaves opposite, coarse; fruits in terminal corymbs, red.

## 285310 to 285478—Continued

285431. *VIBURNUM* sp.

Col. No. 1124. Dry, exposed slopes, Mt. Furkai. Elevation 8,500 feet. Shrub or small tree to 10 feet high; leaves opposite; petioles red; fruit red, turning black, obovate, on short pedicels.

285432. *VIBURNUM* sp.

Col. No. 1133. In rhododendron forest with firs, on Mt. Furkai. Elevation 9,500 feet. Large shrub; leaves cordate, turning red, fruit in panicle, large, ovate, red, turning black.

285433. *VIBURNUM* sp.

Col. No. 1147. Edge of rhododendron forest, Mt. Furkai. Elevation 9,500 feet. Tree to 12 feet high; leaves about 2 inches long, ovate, coarse dentate; fruit crimson, on short pedicels.

285434. *VIBURNUM* sp. *Caprifoliaceae*.

Col. No. 1148. Edge of forest, Mt. Furkai. Elevation 9,500 feet. Tree to 15 feet high, branching distinctly upright; leaves broad ovate, to 2 inches long, coarse dentate; fruit oblong, dark red.

285435. *VIBURNUM* sp.

Col. No. 1175. Mt. Furkai in open field, dry location. Elevation 11,000 feet. Plant to 12 feet high, vigorous; fruit oblong, black.

285436. *VIBURNUM* sp. *Caprifoliaceae*.

Col. No. 1205. Dry, sunny, open field between Damdam and Bega. Elevation 8,100 feet. Shrub to 8 feet high; leaves elliptic, ovate, acuminate, dentate, pubescent on both sides; fruit cymose, red, small.

285437. *VIBURNUM* sp.

Col. No. 1296. Along streambed near Dhaman. Elevation 8,000 feet. Small deciduous tree; fruit in panicles, red.

285438. *ZIZYPHUS GLABRA* Roxb. *Rhamnaceae*.

Col. No. 1195. Dry, sandy river bed along Kali Gandaki River. Elevation 3,300 feet. Thorny, evergreen shrub to 3 feet high; fruit round, reddish yellow, edible.

285439. *HERACLEUM CANDICANS* DC. *Apiaceae*.

Col. No. 1118. Highest point in rhododendron forest, trail from Ulleri to Sikha. Elevation 9,000 feet. Herb to 4 feet high; umbel large.

285440. *ZANTHOXYLUM ALATUM* Roxb. *Rutaceae*.

Col. No. 1120. 'Timbur'. Dry, sunny slopes of Kali Gandaki River. Elevation 4,400 feet. Evergreen shrub; leaves compound, 5 to 7 pinnate; rachis winged; thorns in pairs; fruit on axillary racemes, red, highly aromatic. Used locally in chutney; boiled, crushed fruits used as cold remedy.

285441. (Undetermined.) *Apiaceae*.

Col. No. 1123. Open dry slopes, Mt. Furkai. Herb; flower stalks to 5 feet high, umbels to 12 inches across.

285442. *CAREX NUBIGENA* D. Don *Cyperaceae*.

Col. No. 1138. Grazing pasture, Mt. Furkai. Elevation 10,200 feet. Grass to 12 inches high; blades narrow, fescuelike. Dominant species; tends to lodge.

285443. (Undetermined.) *Apiaceae*.

Col. No. 1145. Open field, Mt. Furkai. Elevation 10,300 feet. Herb with flower stalks to 3 feet; seeds in small dense umbels.

## 285310 to 285478—Continued

285444. *SARCOCOCCA HOOKERIANA* Baill. Buxaceae.

Col. No. 1153. In rhododendron forest, Mt. Furkai. Elevation 6,000 to 8,000 feet. Evergreen subshrub; leaves lanceolate to ovate; flowers axillary; fruits reddish or black, 2 seeded.

285445. *ILEX DIPYRENA* Wall. Aquifoliaceae. Himalaya holly.

Col. No. 1154. In forest with rhododendrons, Mt. Furkai. Elevation 8,500 feet. Hollylike tree to 25 feet high; leaves alternate, ovate, with spines in juvenile form and entire in adult form; fruits greenish red, in axillary clusters, 2 seeded.

285446. *GAULTHERIA TRICHOPHYLLA* Royle Ericaceae.

Col. No. 1166. Sunny, rocky slopes, Mt. Furkai. Elevation 10,000 feet. Ground cover; leaves lustrous, about 0.5 inch long, oblong; fruit a berry, azure blue; seeds numerous.

285447. *RIBES RUBRUM* L. Grossulariaceae.

Col. No. 1172. With birch and maple on Mt. Furkai. Elevation 10,600 feet. Tree to 20 feet high; leaves alternate, somewhat triangular; fruits in racemes, 2 seeded.

285448. (Undetermined.) Apiaceae.

Col. No. 1177. Open rocky cliffs, Mt. Furkai. Elevation 11,000 feet.

285449. *AGROSTIS NERVOSA* Nees ex Trin. Poaceae.

Col. No. 1179. Dry, open, rocky, mountain pasture, Mt. Furkai. Elevation 11,500 feet. Grass used for buffalo grazing.

285450. (Undetermined.) Poaceae.

Col. No. 1180. Dry, open, rock, mountain pasture, Mt. Furkai. Elevation 11,500 feet. Grass used for buffalo grazing.

285451. (Undetermined.) Poaceae.

Col. No. 1181. Dry, open, rocky mountain pasture, Mt. Furkai. Elevation 11,500 feet. Grass used for buffalo grazing.

285452. (Undetermined.) Poaceae.

Col. No. 1182. Dry, open, rocky mountain pasture, Mt. Furkai. Elevation 11,500 feet. Grass used for buffalo grazing.

285453. *CAREX NUBIGENA* D. Don Cyperaceae.

Col. No. 1183. Dry, open, rocky mountain pasture, Mt. Furkai. Elevation 11,500 feet. Grass used for buffalo grazing.

285454. *BROMUS JAPONICUS* Thunb. Poaceae.

Col. No. 1184. Dry, open, rocky mountain pasture, Mt. Furkai. Elevation 11,500 feet. Grass used for buffalo grazing.

285455. (Undetermined.) Poaceae.

Col. No. 1185. Dry, open, rocky mountain pasture, Mt. Furkai. Elevation 11,500 feet. Grass used for buffalo grazing.

285456. (Undetermined.)

Col. No. 1187. Moist places, Mt. Furkai. Herb roots used as medicine; powder is applied to wounds to eradicate worms.

285457. *DOBINEA VULGARIS* Buch.-Ham. ex D. Don Anacardiaceae.

Col. No. 1192. Moist ravine along Kali Gandaki River. Elevation 3,300 feet. Outstanding ornamental subshrub; leaves opposite; fruit in large terminal panicles; seeds with large, white wings.



## 285310 to 285478—Continued

285458. *LITSEA LANUGINOSA* Nees Lauraceae.

Col. No. 1193. Rhododendron forest above Dana. Elevation 7,000 feet. Broadleaf evergreen tree to 40 feet high; leaves alternate, narrow, ovate; fruits red, borne singly on pedicels about 1 inch long.

285459. *SARCOCOCCA SALIGNA* (D. Don) Mull.-Arg. Buxaceae.

Col. No. 1197. Open, dry fields, pass between Damdam and Bega. Elevation 7,800 feet. Evergreen shrub to 6 feet high; leaves alternate, lanceolate; flowers monoecious, axillary, yellowish; fruits red.

285460. *GAULTHERIA NUMMULAROIDES* D. Don Ericaceae.

Col. No. 1199. Moist, rocky area, pass between Damdam and Bega. Elevation 8,000 feet. Ground cover; stems and leaves covered with red hairs; leaves alternate, ovate; fruit black.

285461. *POLYGALA ARILLATA* Buch.-Ham. ex D. Don Polygalaceae.

Col. No. 1202. Open fields between Damdam and Bega. Elevation 7,300 feet. Shrub to 6 feet high; leaves alternate, acuminate, entire; flowers in terminal raceme; fruit bivalve, purple, with orange nectary; seeds black.

285462. *THEVETIA PERUVIANA* (Pers.) Merrill Apocynaceae.

Col. No. 1213. Along Kali Gandaki River near Beni. Elevation 3,000 feet. Evergreen tree to 15 feet high; leaves alternate, lanceolate; flowers terminal, yellow, single; fruit ovate, containing 3 triangular nuts. Sap milky white. Used topically on wounds.

285463. *PROBOSCIDEA* sp. Martyniaceae.

Col. No. 1215. Dry, sandy area along Kali Gandaki River. Elevation 2,800 feet. Subshrub to 4 feet high; leaves alternate, broad-ovate, pubescent; flowers pale purple with dark purple markings; seed pods hard, nutlike, with two terminal hooks.

285464. *RHAMNUS PURPUREA* Edgew. Rhamnaceae.

Col. No. 1216. Dry, sandy area along Kali Gandaki River. Elevation 2,800 feet. Dioecious tree to 20 feet high; bark corky; leaves alternate, ovate, with stipules; fruits in clusters, black, 3 seeded.

285465. (Undetermined.) Poaceae.

Col. No. 1217. Dry, sandy area along Kali Gandaki River. A low-growing potential turf grass for warm, humid regions. Seed stalks have "cotony" attachment to seeds.

285466. (Undetermined.)

Col. No. 1223. In open fields with roses and barberry above Mardi Khola. Elevation 10,800 feet. Bulbous plants to 3 feet high; foliage lilylike; fruits axillary, red.

285467. (Undetermined.)

Col. No. 1225. Shady stone cliffs along Mardi Khola, near Siding. Elevation 4,700 feet. Herb; foliage stalks to 3 feet high; flowers basal, brilliant orange; ovary fleshy, 3 parted, several to a cluster; seeds borne on adnate column, white.

285468. *MYRSINE SEMISERRATA* Wall. Myrsinaceae.

Col. No. 1232. Evergreen forest above Mardi Khola. Elevation 6,900 feet. Shrub to 8 feet high; leaves alternate, narrow elliptic; fruits clustered along stems, lavender, turning blue.

285469. *ILEX* sp. Aquifoliaceae.

Col. No. 1234. Rhododendron forest above Mardi Khola. Elevation 8,000 feet. Hollylike plant; foliage typical for *Ilex*, fruit red.

**285310 to 285478—Continued**

**285470.** *PRUNUS NAPAULENSIS* (Seringe) Steud. Amygdalaceae.

Col. No. 1247. Moist, rocky areas in forest, near Marchhapuchhare. Elevation 7,000 feet. Tree to 40 feet high; leaves alternate, elliptic, serrate; fruit a drupe, purple.

**285471.** *LITSEA LANUGINOSA* Nees Lauraceae.

Col. No. 1252. Evergreen forest above Mardi Khola. Elevation 7,200 feet. Evergreen tree to 60 feet high; leaves simple, ovate, entire; fruit a drupe or single-seeded berry, black.

**285472.** (Undetermined.)

Col. No. 1260. Dense forest above Mardi Khola. Elevation 9,000 feet. Evergreen tree to 30 feet high; leaves opposite, somewhat rugose; fruit large, pale red; seeds orange.

**285473.** *FICUS* sp. Moraceae.

Col. No. 1268. Along path near Pokhara. Small evergreen tree; leaves alternate, lanceolate, coriaceous; fruit solitary, axillary, black, multiseeded. Cultivated for cattle feed.

**285474.** *GREWIA OPPOSITIFOLIA* Buch.-Ham. ex Roxb. Tiliaceae.

Col. No. 1270. Along Mardi Khola, near Pokhara. Elevation 3,000 feet. Small tree; leaves alternate, broad ovate, coriaceous; fruit 4 parted, terminal.

**285475.** *MYRSINE SEMISERRATA* Wall. Myrsinaceae.

Col. No. 1277. Along moist streambed above Godavari. Elevation 5,800 feet. Tree to 12 feet high; leaves narrow, elliptic, acuminate, finely toothed; fruits 0.25 inch diameter, lavender, in clusters of 1 to 3.

**285476.** (Undetermined.)

Col. No. 1282. Along path at Godavari. Elevation 6,500 to 7,000 feet. Leguminous vine; leaves pealike, in 3's.

**285477.** *VIBURNUM CORIACEUM* Blume

Col. No. 1311. Dry, woody slopes, Dhaman. Elevation 7,700 feet. Evergreen shrub; leaves opposite; petioles reddish; fruits in a corymb, small, blue.

**285478.** *PAROCHETUS COMMUNIS* Buch.-Ham. Fabaceae.

Col. No. 1316. 'Blue Pea'. Seen in moist areas in wild. Seeds from a cultivated plant in Botanical Garden at Godavari.

**285479 to 285515.**

From Nepal. Plants and cuttings collected by J. L. Creech and F. deVos, agricultural explorers, Crops Research Division, Plant Industry Station, Beltsville, Md. and the National Arboretum, Washington, D.C., respectively. Received December 21, 1962. Collected in the wild during October and November 1962.

**285479.** *AERIDES MULTIFLORUM* Roxb. Orchidaceae. **Orchid.**

Col. No. 1320. Godavari. Elevation 5,000 feet. Plant stout; stems to 10 inches long; flowers to 1 inch in diameter, purple, spotted.

**285480.** *CALANTHE PLANTAGINEA* Lindl. Orchidaceae. **Orchid.**

Col. No. 1331. Along streambed above Godavari. Elevation 7,000 feet. Terrestrial.

**285481.** *CIRRHOPE TALUM* sp. Orchidaceae.

Col. No. 1330. On rhododendrons on hillside above Dhaman. Elevation 8,500 feet. Small epiphyte; flowers yellow.

## 285479 to 285515—Continued

285482 and 285483. *COELOGYNE CORYMBOSA* Lindl. Orchidaceae. **Orchid.**

285482. Col. No. 1259. On trees in damp forest above Mardi Khola. Elevation 8,000 feet. Epiphyte, leaves broad, basal. Plants growing at 33° F.

285483. Col. No. 1332. On rocks and trees above Godavari. Elevation 7,500 feet. Epiphyte.

285484. *COELOGYNE CRISTATA* Lindl. **Orchid.**

Col. No. 1323. On oaks, on hillside above Godavari. Elevation 8,000 feet. Epiphyte; flowers white, very handsome. Highly esteemed by Nepalese as offering to their gods.

285485. *COELOGYNE FLACCIDA* Lindl. **Orchid.**

Col. No. 1321. Presented by G. Herklots, Royal Botanic Garden, Godavari. Elevation 6,500 feet.

285486. *COELOGYNE OCHRACEA* Lindl. **Orchid.**

Col. No. 1322. Hills above Godavari. Elevation 8,000 feet. Epiphyte.

285487. *CYMBIDIUM LONGIFOLIUM* D. Don Orchidaceae. **Orchid.**

Col. No. 1329. Growing on rocks and trees on hillside above Godavari. Elevation 8,000 feet. Epiphyte.

285488. *DENDROBIUM AMOENUM* Walp. ex Lindl. Orchidaceae. **Orchid.**

Col. No. 1324. On oaks, Godavari. Elevation 6,500 feet. Epiphyte.

285489. *DENDROBIUM CREPIDATUM* Lindl. **Orchid.**

Col. No. 1325. On oaks, Godavari. Elevation 6,500 feet. Epiphyte.

285490. *DENDROBIUM DENNEANUM* Kerr. **Orchid.**

Col. No. 1326. Presented by G. Herklots, Royal Botanic Garden, Godavari. Elevation 6,400 feet. Epiphyte.

285491. *DENDROBIUM DENSIFLORUM* Wall. **Orchid.**

Col. No. 1327. Hillside above Godavari. Elevation 8,000 feet. Epiphyte.

285492. *DENDROBIUM TRANSPARENS* Wall. **Orchid.**

Col. No. 1328. On rocks and trees above Godavari. Epiphyte.

285493. *DENDROBIUM* sp.

Col. No. 1306. Dry location, on rocks near Dhaman. Elevation 7,700 feet. Flowers cream colored.

285494. *GASTROCHILUS ACUTIFOLIUS* Hallier f. Zingiberaceae.

Col. No. 1333. Along streambed on hillside above Godavari. Elevation 7,000 feet. Stemless perennial; flowers in spikes; corolla white.

285495 and 285496. *HEDERA NEPALENSIS* K. Koch Araliaceae. **Himalayan ivy.**

285495. Col. No. 1263. On trees in dense forest above Mardi Khola. Elevation 8,200 feet. Adult form. (Cuttings).

285496. Col. No. 1302. On oak trees and moist rocks, in shade, near Dhaman. Elevation 8,000 feet. Leaves deeply cleft, central lobe extremely long and narrow.

285497. *HYDRANGEA* sp. Hydrangeaceae.

Col. No. 1319. With *Hedera* on rocks in moist forest, Dhaman. Elevation 8,500 feet. Plants small, creeping.



## 285479 to 285515—Continued

285498. *LILIUM NEPALENSE* D. Don Liliaceae. Lily.

Col. No. 1287. Godavari. Flowers red with maroon center.

285499. *LUCULIA GRATISSIMA* (Wall.) Sweet Rubiaceae.

Col. No. 1271. Cliff faces, shaded areas of Mardi Khola. Elevation 4,300 feet to 5,300 feet. Shrub; leaves opposite, ovate to elliptic, entire; flowers in terminal panicles, bright pink.

285500. *ASPLENIUM UNILATERALE* Lam. Polypodiaceae. Fern.

Col. No. 1254. Growing on face of rocks in moist, shady forest above Mardi Khola. Elevation 7,500 feet. Plant small; fronds to 6 inches long.

285501. *OSMANTHUS SUAVIS* C. B. Clarke Oleaceae.

Col. No. 1262. Along path in dense forest above Mardi Khola. Elevation 8,500 feet. Small evergreen shrub; leaves opposite, narrow, ovate, serrate.

285502 and 285503. *PLEIONE HUMILIS* D. Don Orchidaceae.

285502. Col. No. 1258. Always on trees, in dense forest above Mardi Khola. Elevation 7,500 feet. Small epiphyte; flowers purple and white. Flowering at 33° F.

285503. Col. No. 1291. On trees above Godavari. Elevation 7,000 feet. Epiphyte; flowers purple.

285504 to 285506. *COELOGYNE PRAECOX* D. Don

285504. Col. No. 1303. Moist bank near rhododendron, Dhaman. Elevation 7,600 feet. Plant small; flowers purple and white.

285505. Col. No. 1304. Moist bank near rhododendron, Dhaman. Elevation 7,600 feet. Plant a pale pink selection.

285506. Col. No. 1305. Moist bank near rhododendron, Dhaman. Elevation 7,600 feet. A white form with yellow throat.

285507. *RHYNCHOSTYLUS RETUSA* Blume Orchidaceae. Orchid.

Col. No. 1334. Presented by G. Herklots, Royal Botanic Garden, Godavari. Collected near Hitaura. Elevation 3,500 feet. Epiphyte; flowers white.

285508. *THUNIA ALBA* (Lindl.) Reichenb. Orchidaceae. Orchid.

Col. No. 1335. Dry sunny exposure above Godavari. Elevation 8,000 feet. Vigorous epiphyte; stems stout; flowers white.

285509. *VANDA CRISTATA* Lindl. Orchidaceae. Orchid.

Col. No. 1336. Dry sunny exposure above Godavari. Elevation 8,000 feet. Epiphyte.

285510. *RHAPHIDOPHORA DECURSIVA* Scott Araceae.

Col. No. 1227. Growing over face of shaded cliff along Mardi Khola, near Siding. Elevation 4,800 feet. Aroid with vine habit; leaves ovate, often cleft or with holes; spadix about 4 inches long, orange.

285511. *AESCHYNANTHUS ACUMINATA* Wall. Gesneriaceae.

Col. No. 1228. Moist shaded cliffs along Mardi Khola, near Siding. Vanilla-like foliage.

285512. *POLYSTICHUM SQUARROSUM* (D. Don) Fee Polypodiaceae. Fern.

Col. No. 1238. Moist forest above Mardi Khola. Elevation 6,000 feet. Fern; fronds to 3 feet long, large, lustrous, green; stems covered with red hairs.

285513. *CONIOGRAMME FRAXINEA* Fee Polypodiaceae. Fern.

Col. No. 1255. Moist forest above Mardi Khola, above Siding. Elevation 7,300 feet. A large fern; pinnate lanceolate with wavy margin.

**285479 to 285515—Continued**

285514. *POLYSTICHUM* sp. Polypodiaceae.

Col. No. 1256. Moist shady area in evergreen forest above Mardi Khola. Elevation 7,600 feet. Evergreen fern; fronds to 10 inches, dark green; pinnae deeply lanceolate.

285515. (Undetermined.)

Col. No. 1257. Dense forest above Mardi Khola. Elevation 7,000 feet. Evergreen rhizomatous monocot; leaves linear; flowers from basal scape, in bud.

**285516. SETARIA (hybrid). Poaceae.**

From the Republic of South Africa. Stolons presented by the United States Embassy, Pretoria. Received June 20, 1962. Numbered Jan. 2, 1963.

**285517. GYMNOSPORA ROYLEANA M. Laws. Celastraceae.**

From Nepal. Seeds collected by J. L. Creech and F. deVos, agricultural explorers, Crops Research Division, Plant Industry Station, and the National Arboretum, Washington, D.C. Received Dec. 21, 1962.

Col. No. 1246. 'Torcha'. Edge of field near Marchhapuchhare. Elevation 6,500 feet. Straggly shrub to 8 feet high; spines few; leaves alternate, crenate, serrate; fruit red, clustered.

**285518 to 285522.**

From Great Britain. Plants presented by the Royal Botanic Garden, Edinburgh, Scotland. Received Dec. 26, 1962.

285518. *AGAPANTHUS CAMPANULATUS* Leighton Liliaceae.

'Nanus'.

285519. *CALCEOLARIA PAVONII* Benth. Scrophulariaceae.

285520. *PASSIFLORA* × *EXONIENSIS* (Veitch) Bailly Passifloraceae.

285521. *RHODODENDRON CUBITII* Hutch. Ericaceae.

285522. *SAURAUJA SUBSPINOSA* Anthony Dilleniaceae.

**285523 to 285527. SACCHARUM (hybrids). Poaceae. Sugarcane.**

From Mauritius. Cuttings presented by the Sugar Industry Research Institute, Reduit. Received Dec. 26, 1962.

285523. 'Ebene 50/47'.

285526. M. 202/46.

285524. M. 31/45.

285527. M. 253/48.

285525. M. 93/48.

**285528 and 285529. PRUNUS (hybrids). Amygdalaceae.**

From South Australia. Cutting and seed presented by the Department of Agriculture, Adelaide. Received Dec. 27, 1962.

*P. mahaleb* × *P. avium*.

285528. Cuttings.

285529. Seed.

**285530. PYRUS COMMUNIS L. Malaceae.**

From Sweden. Cuttings presented by Fredrik Nilsson, Alnarp, Akarp. Received Dec. 27, 1962.

'Johantorp'.

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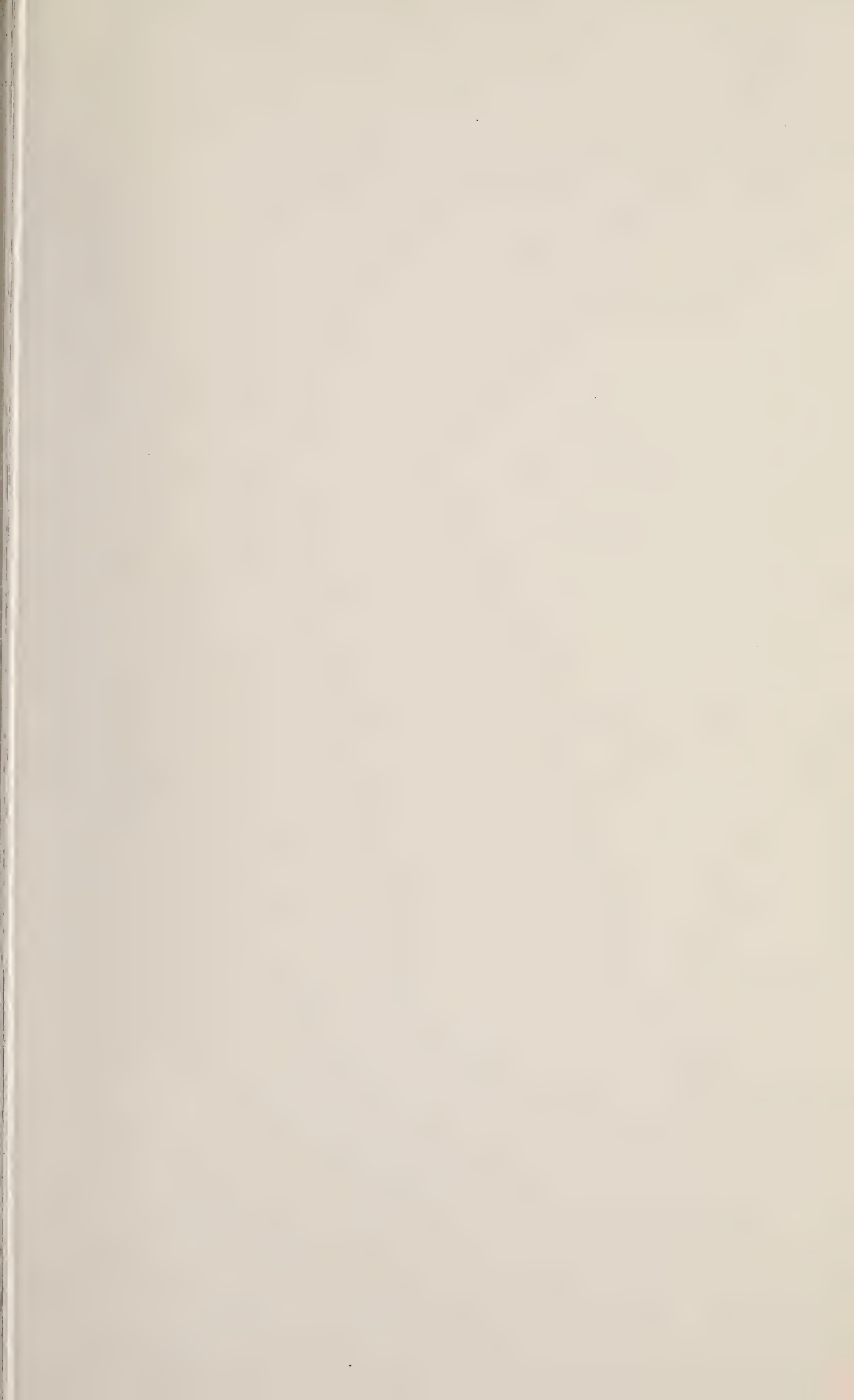
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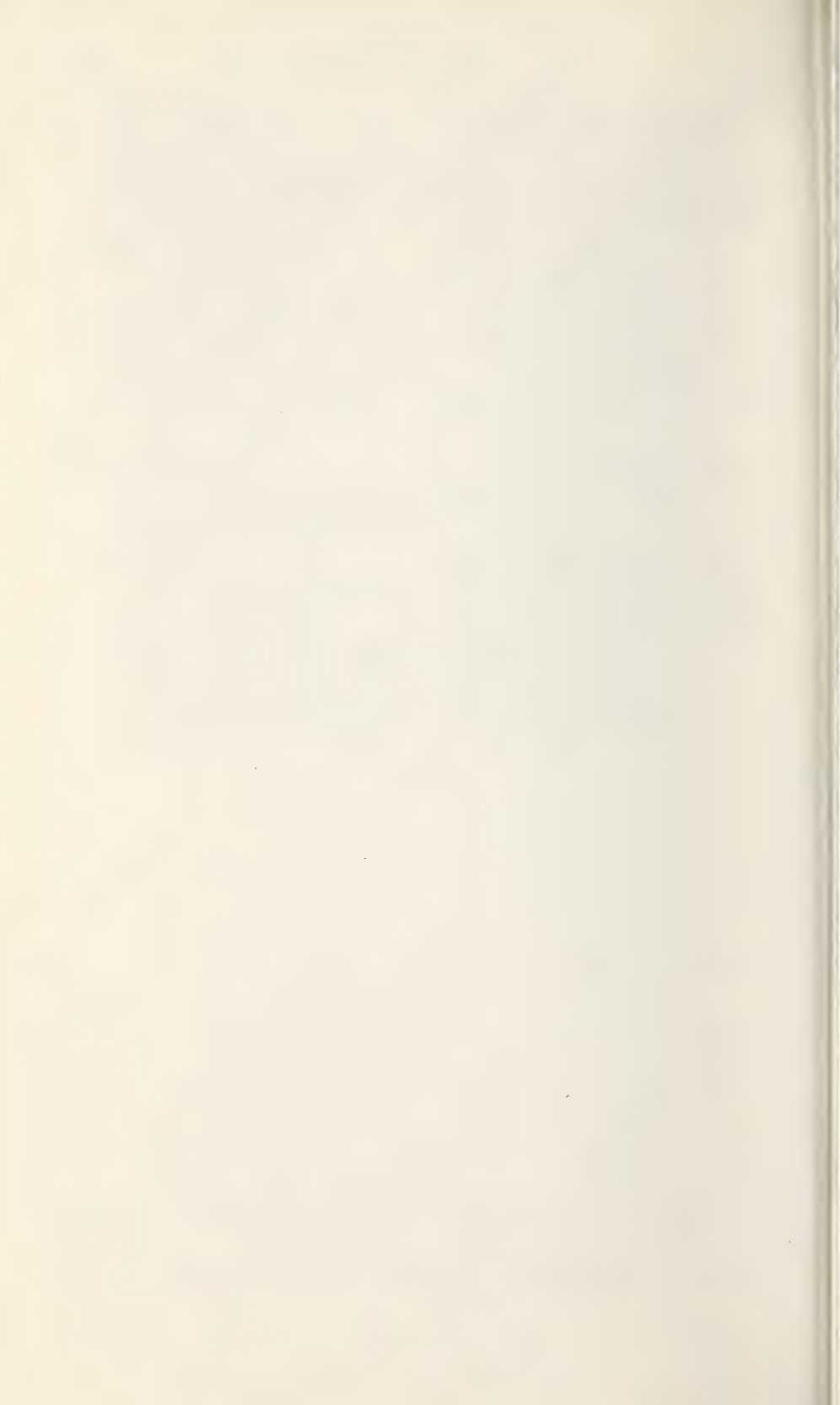
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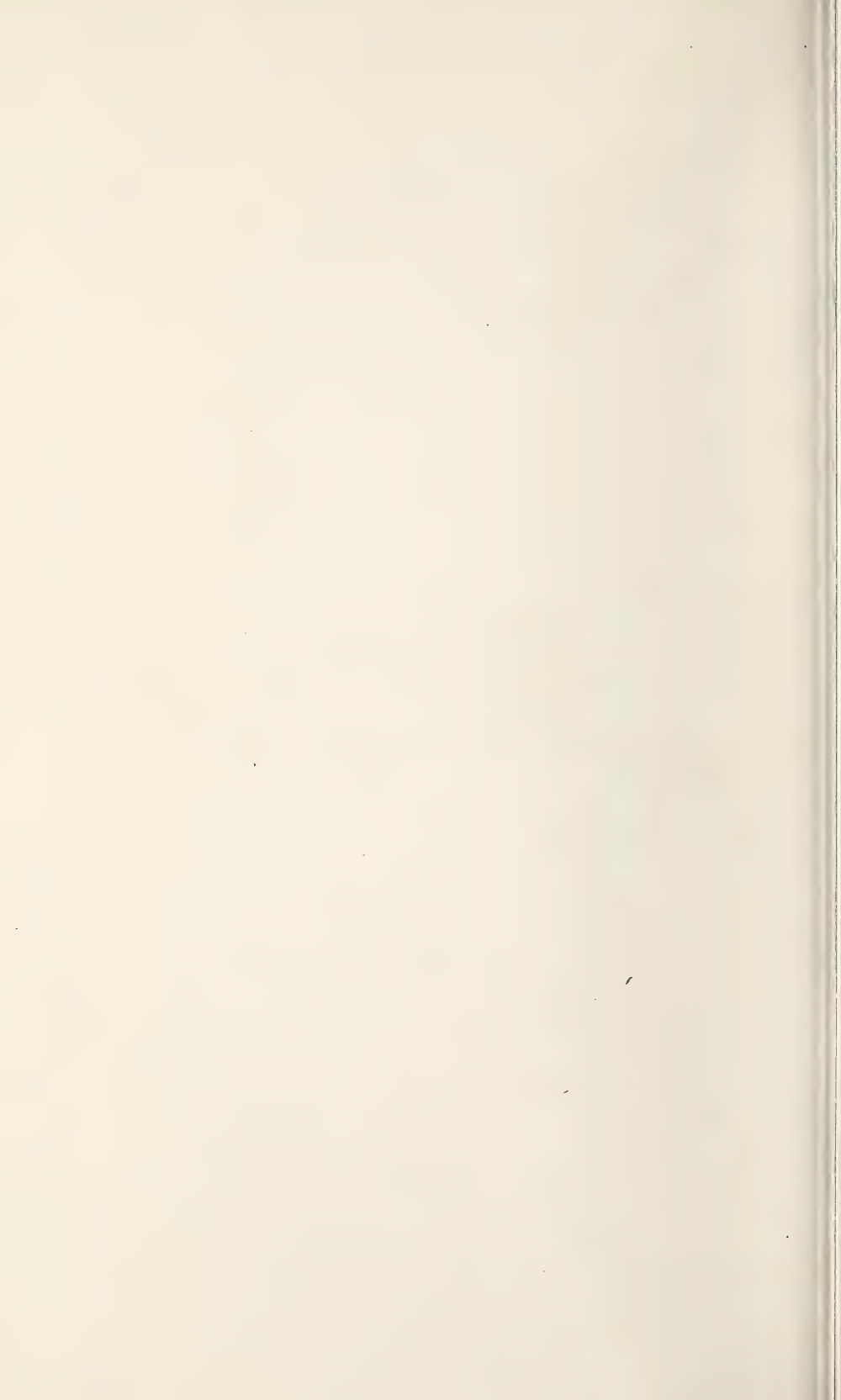
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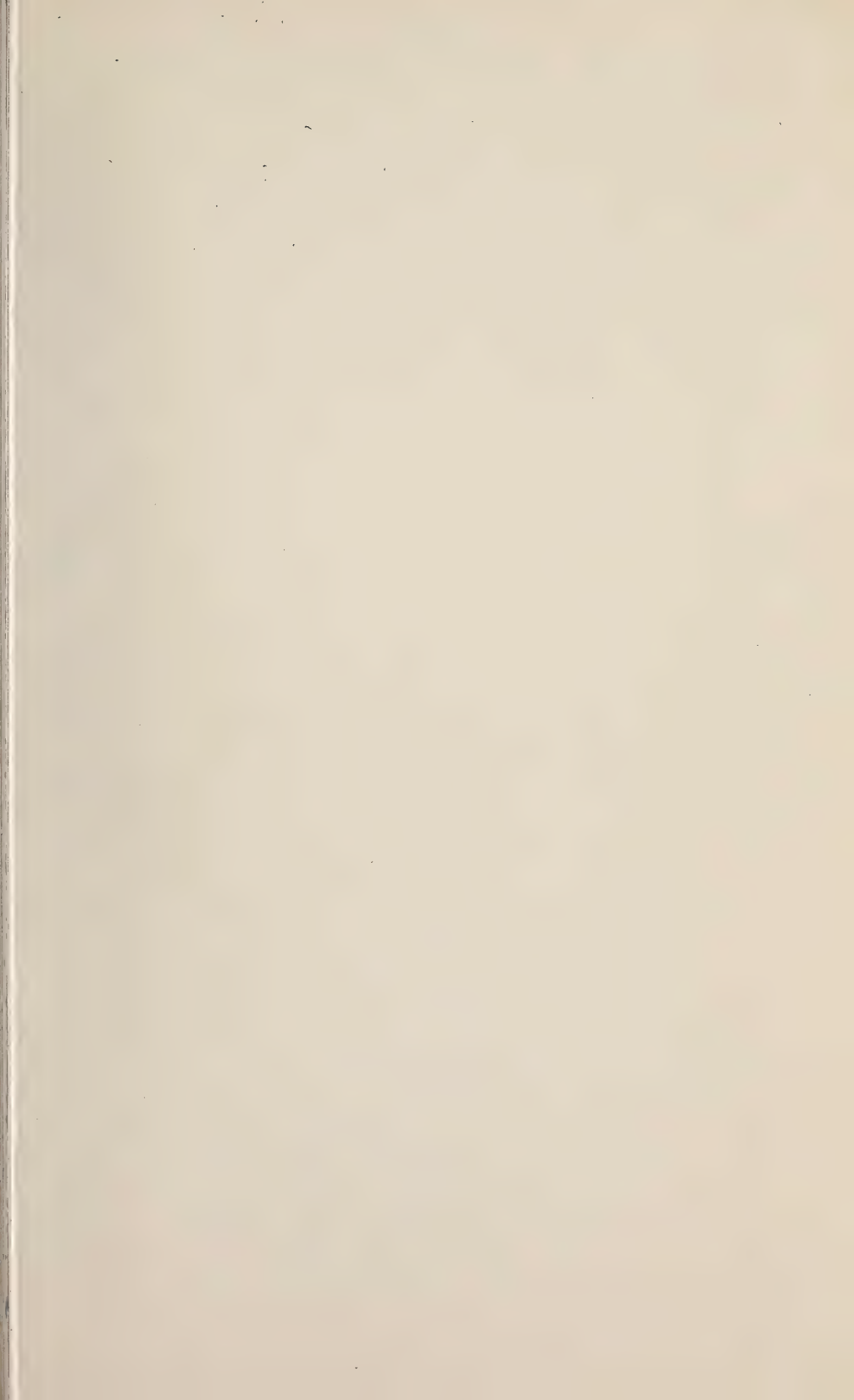






















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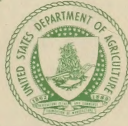
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